

Docket No. 17-17153

In the
United States Court of Appeals
For the
Ninth Circuit

JONEE FONSECA, an individual parent and guardian of I.S., a minor
and LIFE LEGAL DEFENSE FOUNDATION,

Plaintiffs-Appellants,

v.

KAREN SMITH, M.D. in her official capacity as Director of the
California Department of Public Health,

Defendant-Appellee.

*Appeal from a Decision of the United States District Court for the Eastern District of California,
No. 2:16-cv-00889-KJM-EFB · Honorable Kimberly J. Mueller*

EXCERPTS OF RECORD
VOLUME V OF V – Pages 802 to 1071

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TABLE OF CONTENTS

Docket Entry	Description	Page
VOLUME I OF V – Pages 1 to 16		
89	Judgment in Civil Case, Filed September 25, 2017	1
88	Order [Motion to Dismiss Third Amended Complaint], Filed September 25, 2017	2
VOLUME II OF V – Pages 17 to 283		
92	Assignment of Case Number in the United States Court of Appeals for the Ninth Circuit [17-17153], Filed November 1, 2017	17
91	Notice of Appeal being Processed, Filed October 20, 2017	18
90	Notice of Appeal to the United States Court of Appeals; Representation Statement, Filed October 19, 2017	20
	Appellant’s Notice and Statement of Issues	24
94	Reporter’s Transcript of Proceedings, United States District Court for the Eastern District of California, Before the Honorable Kimberly J. Mueller, Date of Proceedings: September 8, 2017 (Filed on: December 4, 2017)	26
85	Defendant’s Reply in Support of Motion to Dismiss Third Amended Complaint, Filed August 4, 2017	45
84	Opposition to Defendant’s Motion to Dismiss Third Amended Complaint, Filed July 27, 2017	61

83	Notice of Motion and Motion to Dismiss Third Amended Complaint, Filed May 19, 2017	88
	Memorandum of Points and Authorities in Support of Motion to Dismiss Plaintiff's Third Amended Complaint for Equitable Relief	90
80	Third Amended Complaint for Equitable Relief, Filed April 14, 2017	116
79	Order [Motion to Dismiss Second Amended Complaint], Filed March 28, 2017	137
76	Plaintiff's Opposition to Defendant's Objection to Plaintiff's Request for Judicial Notice, Filed October 4, 2016	150
74	Defendant's Objection to Plaintiff's Request for Judicial Notice, Filed September 30, 2016	152
73	Defendant's Reply in Support of Motion to Dismiss Second Amended Complaint, Filed September 30, 2016	155
71	Plaintiff's Request for Judicial Notice in Opposition to Defendant's Motion to Dismiss; Declaration of Kevin Snider, Filed September 23, 2016	171
	Exhibit 1	175
70	Opposition to Defendant's Motion to Dismiss Second Amended Complaint, Filed September 23, 2016	187
68	Notice of Motion and Motion to Dismiss Second Amended Complaint, Filed August 31, 2016	207
	Memorandum of Points and Authorities in Support of Motion to Dismiss Second Amended Complaint	209
	Request for Judicial Notice in Support of Defendant's Motion to Dismiss Second Amended Complaint	235
	Exhibit A	238
	Exhibit B	257
	Exhibit C	263

Exhibit D	279
Exhibit E	282

VOLUME III OF V – Pages 284 to 542

64	Second Amended Complaint for Equitable Relief, Filed July 1, 2016	284
61	Assignment of Case Number in the United States Court of Appeals for the Ninth Circuit [16-15883], Filed June 8, 2016	301
60	Stipulated Request for Dismissal of Defendants, Kaiser Permanente Medical Center Roseville and Dr. Michael Myetter, M.D., Without Prejudice, Filed June 8, 2016	302
	Order Dismissing Defendants, Kaiser Permanente Medical Center Roseville and Dr. Michael Myetter, M.D., Without Prejudice	304
59	Order [Appellant’s Motion for Voluntary Dismissal], Filed May 26, 2016	306
54	Order Granting Extended Time for Filing Responsive Pleading, Filed May 19, 2016	307
50	Notice of Appeal being Processed, Filed May 17, 2016	308
49	Notice of Interlocutory Appeal; Representation Statement, Filed May 14, 2016	310
	Appellant’s Notice and Statement of Issues	315
48	Order [Temporary Restraining Order/Preliminary Injunction], Filed May 13, 2016	317
53	Reporter’s Transcript of Proceedings, United States District Court for the Eastern District of California, Before the Honorable Kimberly J. Mueller, Date of Proceedings: May 11, 2016 (Filed on: May 19, 2016)	348

43	Kaiser Roseville and Dr. Michael Myette’s Opposition to Motion for Preliminary Injunction, Filed May 10, 2016	392
	Declaration of Dr. Michael S. Myette in Support of Kaiser Roseville and Dr. Michael Myette’s Opposition to Motion for Preliminary Injunction	415
	Exhibit A – Reporter’s Transcript [April 15, 2016]	421
	Physician Attestation Copy [Certificate of Death]	447
42	Minutes [Continued Informal Conference Call] (Text Only Entry), Filed May 10, 2016	449
39	Minutes [Information Conference Call] (Text Only Entry), Filed May 9, 2016	450
37	Declaration of Dr. Alan Shewmon, Filed May 6, 2016	451
36	Declaration of Paul Byrne, M.D., Filed May 6, 2016	453
	American Academy of Pediatrics’ “ <i>Clinical Report – Guidelines for the Determination of Brain Death in Infants and Children: An Update of the 1987 Task Force Recommendations</i> ”	461
35	Declaration of Jonee Fonseca Regarding Israel Stinson Taking a Breath, Filed May 6, 2016	484
34	Declaration of Alexandra Snyder Regarding Disputes Concerning Brain Death, Filed May 6, 2016	486
	University of Michigan Journal of Law Reform’s “ <i>Piercing the Veil: The Limits of Brain Death as a Legal Fiction</i> ” by Seema K. Shah	489
	Seema K. Shah Curriculum Vitae	536

VOLUME IV OF V – Pages 543 to 801

33	Plaintiff's Motion for Preliminary Injunction; Memorandum in Support, Filed May 6, 2016	543
	[Proposed] Order Superseding Temporary Restraining Order with Preliminary Injunction	569
32	Declaration of Jonee Fonseca Regarding Video Recording of Israel Stinson, Filed May 6, 2016	572
	Guidelines for Brain Death in Children: Toolkit	574
31	Petition and Order for Appointment of Guardian ad Litem, Filed May 5, 2016	624
29	Amended Complaint for Declaratory Relief and Request for Temporary Restraining Order and Injunctive Relief, Filed May 3, 2016	627
28	Minutes [Settlement Conference] (Text Only Entry), Filed May 3, 2016	645
23	Minute Order [Ordering Settlement Conference for May 3, 2016 at 1:30 PM in Courtroom 24; Submit Confidential Statements] (Text Only Entry), Filed May 2, 2016	646
22	Minutes [Further Proceedings as to Plaintiff's Motion for Temporary Restraining Order] (Text Only Entry), Filed May 2, 2016	647
21	Declaration of Alexandra Snyder Regarding Dr. Zabiega's Statement and Credentials, Filed May 2, 2016	648
	Exhibit 1	650
	Exhibit 2	656

20	Plaintiffs' Reply to Defendants' Opposition to Request for Temporary Restraining Order and Further Injunctive Relief, Filed May 2, 2016	660
19	Notice of Proceedings and Orders in Superior Court, Declaration of Alexandra Snyder, Filed May 2, 2016 Order of Dismissal	666 670
18	Declaration of Alexandra Snyder Regarding Video Footage, Photo, and Movement Exhibited by Israel Stinson, Filed May 2, 2016 Exhibit 1	672 675
16	Declaration of John A. Nash Regarding the Religious Beliefs of Israel's Parents, Filed May 1, 2016	676
15	Declaration of Dr. Peter Mathews Regarding Recommendations to Provide Thyroid Replacement, Nutritional Support; and Availability to Examine Isreal Stinson, Filed May 1, 2016	679
14	Kaiser Roseville and Dr. Michael Myette's Opposition to Request for Temporary Restraining Order and Further Injunctive Relief, Filed May 1, 2016	681
	Declaration of Jason J. Curliano in Support of Kaiser Roseville and Dr. Michael Myette's Opposition to Request for Temporary Restraining Order and Further Injunctive Relief	705
	Exhibit A	709
	Exhibit B	720
	Exhibit C	723
	Exhibit D	768
	Exhibit E	772
	Exhibit F	798

(EXHIBITS CONTINUED IN VOLUME V)

VOLUME V OF V – Pages 802 to 1071

14	Kaiser Roseville and Dr. Michael Myette’s Opposition to Request for Temporary Restraining Order and Further Injunctive Relief, Filed May 1, 2016 (EXHIBITS CONTINUED FROM VOLUME IV)	
	Exhibit G	802
	Exhibit H	883
	Exhibit I	900
	Exhibit J	903
	Exhibit K	907
	Exhibit L	934
	Exhibit M	948
13	Notice of Errata: Declaration of Kevin Snider, Filed April 29, 2016	977
	Declaration of Angela Clemente	979
11	Notice of Supplemental Evidence; Availability of Plaintiff, Jonee Fonseca, to Testify, Filed April 29, 2016	981
9	Order [Application for Temporary Restraining Order and Injunctive Relief], Filed April 28, 2016	983
8	Declaration of Alexandra Snyder Regarding Notice to Opposing Counsel, Filed April 28, 2016	986
7	Ex Parte Application for a Temporary Restraining Order to Enjoin Defendants From Ending Life Support; Memorandum in Support, Filed April 28, 2016	988
	Order on Ex Parte Application for Temporary Restraining Order [April 14, 2016]	997
	Order on Ex Parte Application for Temporary Restraining Order [April 15, 2016]	999
	Order After Hearing [April 22, 2016]	1001
	Order After Hearing [April 27, 2016]	1004

	Verified Ex Parte Petition for Temporary Restraining Order/Injunction; Request for Order of Independent Neurological Exam; Request for Order to Maintain Level of Medical Care	1007
6	Minute Order [Plaintiff is Hereby Ordered to Immediately Submit all Placer County Superior Court of California Filings Related to the Temporary Restraining Order Against Kaiser Permanente Medical Center Roseville] (Text Only Entry), Filed April 28, 2016	1014
3	Declaration of Alexander Snyder in Support of Plaintiff's Application for Temporary Restraining Order and Request for Judicial Notice, Filed April 28, 2016	1015
	Declaration of Paul A. Byrne, M.D.	1018
	Declaration of Jonee Fonseca in Support of Ex Parte Petition for Temporary Restraining Order/Injunction; Request for Order of Independent Neurological Exam; Request for Order to Maintain Level of Medical Care	1036
1	Complaint for Declaratory Relief and Request for Temporary Restraining Order and Injunctive Relief, Filed April 28, 2016	1040
	Trial Court Docket Sheet	1058

EXHIBIT G

1 SUPERIOR COURT OF THE STATE OF
 CALIFORNIA 2 IN AND FOR THE COUNTY
 OF PLACER
 3 --oOo- 4 DEPARTMENT
 NO. 43 HON. MICHAEL W. JONES, JUDGE
 5 ISRAEL STINSON,)
)
 6 Petitioner,)
)
 7 versus) Case No.S-CV-
 0037673)
)
 8 UC DAVIS CHILDREN'S HOSPITAL, ET AL,)
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 9 Defendant.)
)

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 11 --oOo--
 12 REPORTER'S TRANSCRIPT
 13 WEDNESDAY, APRIL 27, 2016
 14 PETITION HEARING

15 --oOo-
 16
 APPEARANCES:
 17 FOR THE PETITIONER: LIFE LEGAL DEFENSE
 FOUNDATION 18 BY: ALEXANDRA
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 19 P.O. Box 2015
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21 FOR THE DEFENDANT:

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Reported By:

MELISSA S. SULLIVAN,

CSR13843

ROSEVILLE, CALIFORNIA

WEDNESDAY, APRIL 27, 2016

--oOo--

The matter of ISRAEL STINSON, Petitioner,
versus UC DAVIS

5 CHILDREN'S HOSPITAL, ET AL, Defendant, case
number S-CV-0037673,

6 came regularly this day before the Honorable
MICHAEL W. JONES,

7 Judge of the Superior Court of the State of
California, in and 8 for the County of Placer,
Department Number 43 thereof. 9 The

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Petitioners were represented by Alexandra Snyder,
 10 acting as their Counsel. 11 The
 Defendant was represented by Jason Curliano and 12
 Drexwell Jones, acting as their Counsel.

13 The following proceedings were had, to wit:

14 --oOo-15 THE

COURT: Let's -- calling the matter of Israel Stinson.

16 This is case S-CV-0037673. Ms. Snyder is present
 on behalf of

17 Ms. Fonseca. I see that Mr. Stinson is also
 present, and I'm

18 saying limiting to Ms. Fonseca in that matter
 because that's

19 initially who the petition was filed on behalf of
 or through, I

20 should say. Mr. Jones is present on behalf of
 Kaiser along with 21 Mr. Curliano. Good morning to
 each of you. Make yourself comfortable, folks.

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I also note that Mr. Coffman is present from county counsel on behalf of the public guardian. Good morning, sir.

Thank you for being here.

MR. JONES: Your Honor, we also have two representatives from Kaiser here, just so it's noted for the record.

THE COURT: Okay. And their names?

MR. ROBINSON: Richard Robinson.

5 THE COURT: Richard. I'm sorry. The last name?

6 MR. ROBINSON: Robinson.

7 THE COURT: R-O-B-I-N-S-O-N?

8 MR. ROBINSON: Yes, Your Honor.

9 THE COURT: Thank you.

10 MS. MORENO: And Laura Moreno, M-O-R-E-N-O.

11 THE COURT: All right. Both representatives with Kaiser.

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12 Thank you. And good morning to each of you as well.

13 MS. SNYDER: Good morning, Your Honor.

14 THE COURT: All right. We are on today for the status of

15 the extended TRO, if you will, and I received a status report 16 yesterday that is signed by -- on behalf of each of the parties.

17 Appears to be -- is that your signature, Mr. Jones?

18 MR. JONES: Yes, it is, Your Honor.

19 THE COURT: Okay. And, Ms. Snyder, I can read that one.

20 All right. Each of you submitted this joint status report.

21 Where are we, folks?

MS. SNYDER: So as you are aware, we believed that on

Friday that we had a facility hospital in Spokane that would accept the patient Israel.

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Unfortunately, at the last minute, they had second thoughts and they backed out. We had at that

time a life flight available. We still have that life flight on

standby and paid for. Dr. Myette has spoken with the life flight director, so he is aware that they are ready to transport Israel.

5 At this time I do have an affidavit from a forensic

6 intelligence analyst and also a pathologist who has experience

7 with these kinds of cases. She became involved a week ago. I

8 have a declaration that she submitted saying that she is

9 currently putting together a -- what is called a home care team 10 to transfer him to a home setting, but that is basically set up 11 like an ICU with monitoring in a home.

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12 I also have an e-mail from the CEO of the
International

13 Brain Research Foundation, Dr. Philip Defina,
stipulating that

14 he can provide a neurologist to do the
diagnostics and the 15 intervention; and we have a
pediatrician on standby as well in 16 that
eventuality.

17 I also note that Ms. Fonseca informed me
this morning that

18 Healthbridge, which is a long-term acute care
facility that --

19 honestly, I did not know that those facilities
existed for

20 children until yesterday afternoon. So at that
point we began

21 making calls, and I believe Dr. Myette is speaking
with or has spoken with somebody from that
center. So we are working very hard.

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We -- honestly, it's -- I'm making calls as
much as I can to try to find a facility and now
working on these long-term

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acute care facilities that care for patients in --
exactly like

Israel -- in that situation that are on -- that
are

ventilator-dependent on long-term support. So
that is what we

are looking for right now, and that is why we've
requested

5 additional time, and I wanted nothing more than
to come here by

6 myself today and say that Israel had been
transferred, and 7 unfortunately that decision
was out of my hands.

8 I will also say that Angela Clemente, the
forensic

9 pathologist who I have the declaration from, she
is undergoing

10 currently treatment for liver cancer. So she
became involved a

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11 week ago. The following day she had chemo
therapy, so that put

12 a significant dent in her ability to make
progress on this case

13 until -- until Friday and then -- or until
Monday. So that is

14 essentially where we are, but we are -- we are
confident that we 15 can find especially a long-term
acute care facility.

16 We have asked the hospital. Some of the
facilities have

17 requested that Israel have a breathing tube
rather than a 18 ventilator. The ventilator can
cause some problems over time.

19 There's bacteria that can accumulate in the
mouthpiece and

20 things, and a breathing tube is a much more
secure way to assure

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21 that -- ensure that he gets the oxygen that he needs and also a

gastrostomy, a feeding tube, for, you know, when he is able to

receive nutrition that way. So right now he's only received dextrose, essentially sugars, since April 2nd, so he has not really received any nutrition since that time.

I also want to report that for a long time Israel did not

make any movements whatsoever, and on Sunday he began making

movements that -- in response to his parents speaking to him,

touching him. I have a video of that. I don't know if the

5 Court is interested in seeing that, but -- so that's a huge

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6 change in his condition because that did not
occur before, and 7 notably that occurred after he
received some thyroid -- a small 8 amount of
thyroid, but some thyroid medication.

9 And I also have an affidavit from Dr. Paul
Byrne who is at

10 least a neonatologist. I honestly believed he
was a pediatric

11 neurologist. But he has looked at Israel's
records and believes 12 that the additional thyroid
helps with the brain function. 13 Here's the
affidavits. I have the affidavits and the e-mails

14 from -15 MR.

CURLIANO: I have it.

16 MS. SNYDER: We would really like to
continue working with 17 the hospital. We are
grateful for what the hospital has done.

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18 On Monday evening, the -- Dr. Myette noted that
Israel was

19 becoming anemic and ordered a blood transfusion.
We are very

20 grateful for that procedure that was done to, you
know, to help

21 his condition; and, again, we want nothing
more than to have Israel transferred out of
the Kaiser facility to another facility.

I would also like to note, Your Honor, that
we are working with this team in New Jersey for a
reason, and that is because

New Jersey is the only state in the nation that has
a statute

that will allow -- well, first of all, they don't
allow a

declaration of brain death in cases where the
family's deeply

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held beliefs -- where the family has deeply held beliefs that a 5 patient is not dead until their cardiopulmonary functions cease.

6 So -- and I realize we are in California; but had Israel

7 been in New Jersey at this time, there would be no declaration

8 of brain death; and we could get him transferred to a number of

9 facilities across the nation, including a specialized facility

10 in Pennsylvania that had agreed to take him; but then we found

11 out that Pennsylvania has a statute that prohibits taking 12 patients who have a declaration of brain death from another 13 state.

14 So -- but in New Jersey the parents can petition the court

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15 to have the declaration of brain death revoked;
and that would

16 also open the door for long-term treatment at a
facility like,

17 for example, Saint Christopher's in Pennsylvania
that

18 specializes in cases like this; and I spoke to a
doctor there,

19 Dr. Frank Nesby, and he said they have many
patients that are in 20 Israel's condition. They
don't do a brain death exam there.

21 They just care for those patients according to
the wishes of the family. That's how that
facility handles these patients.

Again, there's -- different states handle
this in different ways. Different hospitals
handle this in different ways. We are grateful,
again, for the efforts that Kaiser has

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made; and we really do request a little bit more time to -- to

facilitate this transfer and, if necessary, to facilitate a

transfer to a home-monitoring facility in New Jersey; and I can provide the Court with a declaration to that effect.

5 I'm sorry. Can I -- I would just like to also mention one

6 more thing. So I've looked through Israel's medical records, as

7 has Dr. Byrne, and I want it to be noted also that on April 4th

8 UC Davis did their first brain exam. And in that exam it was

9 recorded that Israel was not in a coma; and under the American

10 Association of Neurology guidelines, which are the accepted 11 medical standards under the

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statute in California, the patient 12 must be in a
coma to do a brain death exam.

13 So that's of grave concern to us because,
subsequent to

14 that, there was another brain test done; and that
brain test

15 involved an apnea test. The apnea test, as Dr.
Myette testified

16 to -- the patient is removed from the ventilator,
and the carbon

17 dioxide in their blood is increased to a certain
level in order 18 to provoke a respiratory
response. The apnea test can cause 19 brain --
actually cause brain damage.

20 So if there was a brain exam done without
this patient

21 being in a coma, subsequently followed by an
apnea test, we

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don't know whether the apnea test itself could
have contributed
in some way to Israel's declining condition. We
do know that there was movement. Prior to that
time, the doctors had said your son will have
brain damage, but they did not mention brain death
at that point. So -- and that was early on.

I have the copy of the medical records,
that page, that

shows that the patient -- it says, "Patient
in coma: No." THE COURT: I trust what
you are telling me.

5 MS. SNYDER: Okay.

6 THE COURT: But the question becomes this:
If I -- and

7 tentatively in my mind I have done this analysis
-- if I

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8 disregard what happened at UC Davis in terms of
their

9 determination, didn't this court receive
information that Kaiser

10 has conducted two independent determinations, one
by Dr. Myette

11 and one by -- I forget the subsequent doctor's
name. Forgive 12 me. But the testimony from Dr.
Myette was that that's what 13 happened.

14 MS. SNYDER: Right. But although we would
not consider

15 those independent brain exams because those were
done at Kaiser, 16 obviously so, and we did ask for
time to have an independent

17 evaluation. I had a -18 THE COURT: I
understand. But 7181 says a determination 19
confirmation by another physician.

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20 MS. SNYDER: Uh-huh. Right. And I did
have a

21 cardiologist lined up from -- he's affiliated
with UC San

Francisco, and I don't know why the -- he backed
out, but I have
heard from other neurologists that there is a lot
of pressure in cases like this. They are
concerned that there's going to be a lot of media
exposure. We have intentionally really kept that
to a minimum in order to facilitate working with
the hospital.

Again, the goal is just to get Israel out and
into another
facility; and we are working very, very hard to
make that

happen. This is -- I mean, again, I spent the
last two days

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5 only making these phone calls, you know, in
addition to the -- a

6 few other people that we have; and as we get
more people, those 7 people make calls; and I am
confident that we will find a 8 facility so -- and
I thank you.

9 THE COURT: Thank you. I appreciate the
pressure that

10 outside physicians can speak of, but there is no
greater

11 pressure than on the people who are here in this
court and the

12 people who are tending to Israel right now and no
greater 13 pressure on anyone other than Ms. Fonseca
and Mr. Stinson at the 14 height of that pressure.

15 MS. SNYDER: I agree. 16 THE
COURT: So I appreciate what they may have said in
17 their comments, but the pressure is here.

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18 MS. SNYDER: I do agree with you, Your Honor.

19 THE COURT: And I'm well aware of the various statutes

20 across the country, in particular in New Jersey. Trust me, I 21 have done a lot of research on this on my own into these various issues.

I have not heard, though, any date, any timelines. I don't know if you folks have discussed that, if I get to that point, of what you are seeking or what these folks are telling

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you; and let me start with this: You mentioned a couple of declarations or affidavits. Have those been provided to you folks? I'm speaking to Mr. Curliano.

MR. CURLIANO: I just received them this morning. The

5 declaration of Dr. Byrne was just handed to me. I haven't had a

6 chance to review it, but I did review the other declaration

7 which made touch on one issue but not perhaps the bigger 8 procedural issue about what is required of the statute.

9 I can also add -- and whatever questions Your Honor has,

10 I'm more than happy to answer -- since about Saturday afternoon,

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11 Ms. Snyder and I have been in constant
communication via e-mail,

12 phone calls. I think we all left here on Friday
hoping that 13 this would all be resolved, and I
understand for a number of 14 reasons it was not.

15 And I think we can agree that if we were --
at least I can

16 on behalf of Kaiser -- if we were here right now
with a specific

17 representation -- and I even had mentioned to Ms.
Snyder, if you

18 can bring a letterhead from a facility or an
institution saying

19 that they have agreed to accept Israel, even if
there are some

20 conditions associated with it -- and there may
be the placement 21 of a trach and the feeding tube
-- that would be a different issue for us.

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But what we are presented with today under California law is no declaration, testimony, or even identifiable expert or physician who can come in here and testify that there's a

mistake or that appropriate medical standards were not followed;

and I can certainly go through the chronology -- it sounds like

Your Honor has it from Davis -- through the testing that was

done at Kaiser; and I think even if you exclude, although I

5 don't think there would be grounds for doing that, the test that

6 was done in Davis, certainly the appropriate testing was done to 7 follow the guidelines of the Kaiser; and I don't really think 8 that's in dispute.

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9 The only declaration we now have is the
declaration of Dr.

10 Byrne. When I did speak with counsel this
morning -- and I

11 pointed out -- I think she correctly said that he
is not a

12 neurologist. I think she -- counsel was asked
that question,

13 when Mr. Jones was here, is Dr. Byrne a
neurologist. She said,

14 yes, he is not. That is significant, I believe,
in terms of 15 whether his declaration, which I
haven't read, bears any weight.

16 He's also not licensed in the state of
California.

17 And I believe certainly any physician that
calls into

18 question whether or not there's been a mistake or
whether

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19 appropriate procedures have been followed by
California 20 physicians is commenting on the
standard of care in the state of 21 California.

So I have worked -- I don't think Ms.
Snyder would

disagree with this -- we have worked trying to
find a location -- trying to answer questions
about a location. Dr. Myette has even spoken with
physicians. I gave him permission to do that; and
counsel said that was fine, calling from out of
state; and apparently none of those physicians
have been able to get their institution to agree
to take Israel.

So the problem we are confronted with on this
Monday is we

5 have -- I think Your Honor noted this and already
also comments

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6 on the competing interest -- we have staff
members and

7 physicians who are taking care of Israel who has
been declared

8 legally dead, and the problem is I don't hear any
end or

9 definite proposal for what can be done to
transfer him

10 somewhere, and I don't fault counsel for that at
all. I'm sure

11 it's a very difficult task she has, but I've got
to weigh that 12 against what my staff and my
physicians are confronted with.

13 And on top of it, it sounds like if a
facility is located

14 somewhere and is identified, there may be a
request that Kaiser 15 physicians do medical

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procedures on the child which may be a 16 problem
in and of itself.

17 THE COURT: Right.

18 MR. CURLIANO: I could certainly go into
greater detail, 19 Your Honor, but I think that kind
of covers the key points that 20 I had.

21 And finally I go back to Dr. Myette. I
wasn't here for

his testimony. I read his testimony. I think he
provided a

very detailed recitation of the medical
procedures, the steps that were taken, and what
the standard of care requires in terms of the
guidelines.

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MS. SNYDER: Your Honor, we do have, again, this

declaration regarding the provision of home care, so that is

something that is currently being arranged. It is true that, in

order for that to happen, Israel would require a tracheostomy

5 and gastrostomy; however, I do have a declaration to that 6 effect, and certainly if we can set -- we are not asking for an 7 indefinite period of time.

8 If we could set a period of time to really pursue, again,

9 these long-term acute care facilities that are uniquely equipped

10 to care for, for specifically children in Israel's condition, we 11 would like that. We had

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requested a two-week period of time in 12 order to
do that. 13 MR. CURLIANO: Final comment, Your

Honor, if you don't 14 mind. 15 THE COURT:

Just one second. Thank you. Keep that 16 thought.

17 MR. CURLIANO: I will.

18 THE COURT: The implied, if not couched,
expressed,

19 request is to have this court somehow order
Kaiser to, in

20 essence, provide treatment to a patient whom,
under California 21 law, they have made a
determination of brain death.

MS. SNYDER: I do understand that, and if
that - THE COURT: How would I do that?

How would I accomplish that jurisdictionally and
legally?

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MS. SNYDER: Well, we are asking that Kaiser would do it.

I mean, they did do a blood transfusion on him. We are very grateful for that. That was also a procedure that was done on a patient they believe is --

THE COURT: I understand.

5 MS. SNYDER: Right.

6 THE COURT: I have taken note of that as well, and I'm not

7 certain that that rises to any level of a waiver or anything on

8 their part, but I do have that written here in my notes in big 9 bold letters when you had mentioned that that had happened.

10 MS. SNYDER: And I'm not saying that those procedures are

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11 -- would be necessary for every facility. We
certainly have

12 worked to find fa -- and we'll continue to find -
- and, again,

13 we have a new -- a new type of facility, again,
that I was not

14 aware of until yesterday afternoon that may take
him without 15 being -- without the tracheostomy.

They may do those procedures 16 there.

17 And the life flight is willing and equipped
to take him on

18 a ventilator if need be. So while we would --
that would

19 certainly facilitate a transfer. If he doesn't
have those

20 procedures and if Kaiser cannot or will not do
those procedures, 21 that doesn't preclude a
transfer. So just to be clear about that.

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THE COURT: Thank you. Mr. Curliano, I'm sorry I interrupted you but -- what you were going to say, and also in there if you would address the issue -- not issue, but the information that was presented earlier in our discussions here about the movement of Israel in response to the parents touching and whether that's of any effect here.

MR. CURLIANO: Two things, Your Honor. First, with

5 respect to the blood transfusion, that's a noninvasive

6 procedure. I think arguably that would be consistent with the

7 Court's order. It would be no different than providing

8 medications. A PEG tube and a trach are obviously far

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9 different; and that does raise, as the Court
might understand, 10 fairly significant ethical
issues given the finding of death of 11 Israel.

12 With respect to the movement of the child,
I have been in

13 constant contact with Dr. Myette, probably four
or five times a

14 day since Friday. I have been told that the
child's condition 15 has not changed from the
baseline status that resulted in his 16 signing the
certificate of death.

17 I was informed apparently there may have
been something

18 posted on Facebook or something of a video of the
child. I

19 haven't watched it. I certainly could reconfirm
with Dr. Myette

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20 of what he has told me and what he has testified
in court. It's

21 my understanding -- I'm not a physician -- that
this

occasionally might happen, but it has absolutely
nothing to do with an indication of brain
function whatsoever. And I haven't seen the
video.

The last point I wanted to make, which I
think is an

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important one, if we put aside -- and I have said this three or four times, but I think I need to again -- that counsel and I have worked together -- I understand their position and what they are trying to do, but there's a legal process that the

5 legislature has put in place in the state of California, and

6 what we have right now is a petition signed by an in pro per

7 individual. It appears to have been with the assistance of 8 counsel, if you read through it, which is not the issue.

9 We have no declaration from a physician or expert. We

10 have nothing specific to a particular entry in a medical record

11 or evaluation that was done that was a mistake or didn't follow

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12 appropriate guidelines; and I don't think that
exists, putting

13 aside the comment of what was done at UC Davis;
and without that

14 foundational showing, although there has been
cooperation, I

15 think some good faith in trying to transfer the
child, I think

16 we are in a position now where we don't have
finality; and

17 arguably we don't have the procedural
requirements being met

18 that have the evaluation that needs to be done
under Dority; and 19 this is approximately two weeks
after the child was declared 20 dead.

21 MS. SNYDER: And just to go back to Dority,
in that case,

the hospital -- it was a younger child, but the
hospital waited

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30 days between brain exams. I understand that they don't have to do that; but the cases that I have looked at, even in other states, there is a period of time that's allowed, even in the

Jahi McMath case. There's a period of time that's allowed for the parents to -- either to make other arrangements to go through the legal process and just to come to terms with the situation that they find themselves in. And in this case --

5 THE COURT: And Dority recognizes that.
Dority says that

6 as well. It says that, you know, it doesn't mean that the

7 parents are foreclosed or forbidden from
seeking their own 8 independent review. That's
clear within Dority but go ahead.

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9 MS. SNYDER: And, again, we understand that
-- we are not

10 looking for this to go on indefinitely. We have
asked for --

11 for a two-week period of time in order to
facilitate the 12 transfer. Again, it is my
greatest hope that that would happen 13 before
that.

14 We have the flight on standby. We have --
we have all the

15 pieces, and we have now the possibility of him
being transferred

16 into home care. Now, for that, he would need
those procedures;

17 but, again, we are working -- the parents are
contacting and are

18 being -- have calls in -- coming in this morning
from long-term

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19 acute care facilities in California and
elsewhere; and that is

20 an avenue that we have not yet pursued and an
avenue that is, 21 again, that is uniquely created
for a patient in Israel's condition.

THE COURT: Anything further, folks?

MR. CURLIANO: Just a final thought, Your
Honor. Two weeks after the temporary -- and that
may be the keyword -temporary restraining order is
signed -- and I do understand the plight that the
family and this attorney is in. Possibilities
just don't get us to where we need to be for an
injunction like this given what the Court has
heard and given how the law is

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5 written in the state of California. 6

THE COURT: And so what is it that Kaiser is
requesting at 7 this time?

8 MR. CURLIANO: Kaiser would ask at this
time that based

9 upon the lack of evidence or even the specific
offer of proof

10 relating to an expert or physician who would
provide testimony

11 that will meet the legal standard to create a
triable issue,

12 that the temporary restraining order be
dissolved, and that

13 there be no further court jurisdiction over the
issue of whether

14 or not the certificate of death is appropriately
supported by 15 the necessary testimony of the
guidelines as testified to by 16 Dr. Myette.

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17 THE COURT: And in terms of whether Kaiser
needs to obtain 18 consent for purposes of the
cessation of any mechanical devices, 19 where does
Kaiser stand with respect to that?

20 MR. CURLIANO: I -- there -- my belief,
based upon my

21 understanding of the law, would be, given the
finding of death

by the doctor, that there is no consent
required. The

mechanical devices, the medications that have
been provided were pursuant to the court order
which would be dissolved, and therefore, the
status quo would be as it was on April 14th,

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2016, when Dr. Myette declared, unfortunately,
that the child was brain dead.

The certificate of death has been filled
out by Dr.

Myette. It was done so on the 14th. It's my
understanding that

5 it is with the department -- I believe it's the
department of

6 vital statistics -- there may be a subgroup
within there -- and 7 the only part that has not
been completed is the disposition of 8 the remains
by the parents.

9 MS. SNYDER: Your Honor, I would also like
to at this time

10 note that California law does require a -- an
accommodation --

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11 religious accommodation in these cases; and we
would ask, then, 12 for the extension of time based
on that accommodation.

13 Again, it is the parents' deeply held
beliefs that their

14 son is -- that life does not end until the
cessation of

15 cardiopulmonary functions, and in some cases that
religious

16 accommodation includes that time to arrange a
transfer to a 17 facility that will recognize the
parents' beliefs.

18 THE COURT: What does that translate to?
What does that

19 mean? Foundationally, what particular religion,
what particular

20 beliefs, the extent of what duration of time are
we discussing, 21 under what basis, all of those

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questions and more that the Court has in its mind to address that.

MS. SNYDER: So the parents are Christians and -- of the

Christian faith; and, again, there are -- and there are many people of the Christian faith, many people of the Catholic faith

-- they also have Catholic background that does not recognize the cessation of life until -- until the heart stops beating.

As far as a period of time, again, we have asked for two

weeks. We hope not to need that period of time. We would be

5 grateful for any additional time at this point. We have -- we

6 have calls in. We are hoping that those calls will result in a

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7 facility that will receive Israel. We are -- we
have people

8 working literally around the clock to help make
this happen at 9 this point since the transfer did
not happen last week.

10 I have a neurologist in New Jersey who can
-- who can help

11 with Israel's case there. I would imagine that
he could come

12 out here and, under the supervision of Dr.

Myette or another 13 physician or neurologist at
Kaiser, could do a -- an exam of 14 Israel and
possibly as soon as this week.

15 THE COURT: That creates a real side issue
in terms of the 16 ethics and this court's
intervention with ethics and medicine 17 with Dr.
Myette.

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18 MS. SNYDER: Okay.

19 THE COURT: I'm not prepared to put him in
that position. 20 MS. SNYDER: Okay. I do

understand that's been done in 21 other cases.

THE COURT: You had mentioned some
declarations that you wanted to file with the
court. I do want to see those, please.

MS. SNYDER: Okay. And just to clarify,
one is an e-mail stipulating that the CEO or the
neuropsychologist who runs the International Brain
Research Foundation has a neurologist that he
works with who will treat Israel.

THE COURT: Mr. Curliano, you look like a
person who has to say something.

5 MR. CURLIANO: I do. Just two briefs
points, Your Honor.

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6 Because the Court does have Dr. Byrne's
declaration -- which I 7 have not had an
opportunity to review, but I'm familiar with Dr.

8 Byrne's testimony in trial courts. I have
reviewed it -- I can

9 make an offer of proof -- and I don't think
counsel will

10 disagree with this -- that if Dr. Byrne was
qualified to testify

11 -- we don't think he is in this case -- his
testimony is 12 quote/unquote brain death is not
real death.

13 Dr. Byrne's opinion is right or wrong but
is contrary to

14 California law, if the California law is
incorrect, because it

15 defines brain death in a way that, in his
opinion, is not actual

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16 death; and that is really the sum total of
opinions that I have 17 seen; and he testifies
fairly consistently in cases.

18 The second point is, I think, when counsel
was talking

19 about reasonable accommodations, she was talking
about Health

20 and Safety Code Section 1254.4, which the Court
is familiar

21 with. And I think there's two points that I
need to make, and one of them is a representation
that I can make as an attorney for Kaiser.

Kaiser has made an assumption during this
past few weeks that there definitely is a
religious component to this. We know

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that because we know the organization that Ms. Snyder works for, and I don't mean that in a pejorative way, but we know that that is a component of what is being done here. There also have been discussions with family members.

5 So the things that Kaiser has done separate and apart from

6 whatever was required by court order have been part of the

7 reasonable accommodation that Kaiser has been providing based

8 upon what it understood as primarily a religious and perhaps a 9 philosophical disagreement about the determination of death.

10 The statute is also very clear on two points, and many of

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11 these statutes may not be that clear, but it
12 talks about a brief period of time for an
13 accommodation. I think certainly under

14 these circumstances two weeks -

15 THE COURT: A reasonably
16 brief period.

17 MR. CURLIANO: Reasonably brief. And it
18 also does say

19 under subsection (e) that there shall be no
20 private right of

21 action to sue pursuant to this section. I know
22 there isn't a

23 lawsuit directly related to this section, but it
24 makes me

25 question how mandatory this section is as it
relates to the

issue we are dealing with today; but I guess the
bigger issue

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21 is, I think, we have a two-week period of time
where Kaiser has provided accommodations through
me, through my office, through our physicians,
through our nurses.

THE COURT: And really, what it comes down
to, 1254.4 is it's the subsection (d) that
addresses reasonable and defines reasonable from
Kaiser's perspective; and that is care and time,
to paraphrase -- and correct me if I'm stating the
statute incorrectly -- that is being taken away
from other perspective patients or those of need
of urgent care. I think those are the
5 words to that effect. I can look it up exactly,
but that's what

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6 I recall the definition of reasonable is under
this statute as 7 well; and I have heard from Dr.
Myette on those issues so...

8 MS. SNYDER: I mean, we were not notified
that this period

9 of time was associated with religious
accommodation, and that's

10 one thing, and I think the organization that I
work for is not a

11 religious organization per se. I think that's
completely

12 irrelevant to the facts at hand. And the brief
accommodation is

13 for all purposes; and, again, the reasonable
accommodation, as 14 you noted, is specifically for
this religious accommodation.

15 THE COURT: And what amount of time is
that?

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16 MS. SNYDER: Again, in other cases, they --
there has been

17 a period of approximately one month. In the
Dority case, it was

18 one month. In the Jahi McMath case, I believe it
was

19 approximately that. There was -- I believe at
the point where 20 we are now there was a two-week
extension granted.

21 THE COURT: There were other extenuating
circumstances in both the Dority and the McMath
case. I think we can all agree upon that.

In terms of, again, going back to the
statute itself again, subsection (b) talks about
reasonably being an amount of time for the
patient's next of kin to be gathered to come to
the bedside, essentially paraphrasing. That's my

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understanding of what that subsection addresses with respect to reasonable from the patient's point of view. Am I incorrect?

5 MS. SNYDER: I do believe, though, in the Jahi McMath case

6 that the religious accommodation did entail allowing time for

7 that transfer to occur; and, again, that was not an indefinite

8 period of time. There was -- but there was another two-week

9 period -- and I'm not sure what the extenuating circumstances

10 would be in that case that are not present in this case or that

11 there wouldn't be a separate set of

circumstances in this case 12 that would warrant

that additional period of time. 13 THE

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COURT: All right. Thank you. Anything further from
14 either of you gentlemen?

15 MR. CURLIANO: Nothing further, Your Honor.

16 THE COURT: Ms. Snyder, anything further?

17 MS. SNYDER: Nothing further.

18 THE COURT: Let me take just a moment to
read these 19 documents that have just been
received. I have the declaration 20 of Angela --
is it Clement or Clemente?

21 MS. SNYDER: Clemente.

THE COURT: Thank you. All right. I
have read and reviewed the documents that
were submitted on behalf of Ms. Fonseca.

Understanding that we are now almost two
weeks into the

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initial petition, the temporary restraining order, the subsequent restraining order, and then the one after that which leads us here today, I know during that time from the representations of each of you that efforts have been made and

5 are continuing to be made to transfer Israel.

6 While it may not be acceptable or understandable for

7 reasons I can appreciate to Ms. Fonseca or Mr. Stinson, Kaiser

8 cannot be in a position to where they continue on for whatever 9 lengthy periods of time to attempt to find facilities; and I say 10 that given what the legislature has done here.

11 It isn't an issue with this court of what the medical

12 providers or the medical profession sees or decides or

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13 determines or their various positions as medical
professionals 14 as to what truly is or is not brain
death or the vitality of an 15 individual.

16 The legislature in California has passed a
law, and that's

17 what I need to look at and make a determination
as to whether or

18 not that law has been passed, whether or not that
law has been

19 complied with; and that's the essence of that
petition that 20 originally started this was for
this court to make that 21 determination.

The Court allowed time for the parents to
obtain medical

evidence to be presented to this court that the
determinations

by Kaiser -- and if you wish to include UC Davis
into that --

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but to the determinations by Kaiser of the two independent physicians of a determination of brain death, pursuant to the statute, whether or not those were done in a medically accepted and approved manner. After almost two weeks now, I have not received that. That is not forthcoming to this court.

5 What I'm going to do is this: Pursuant to section 1254.4,

6 I am going to continue this TRO to this Friday, the 29th, at 9

7 a.m. in this department for purposes of Kaiser now, expressly,

8 with no misunderstanding, providing the next of kin or the 9 family with that reasonably brief period of accommodation 10 pursuant to 1254.4.

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11 I will include within this extension of the
TRO for a

12 couple of days, and we can make appropriate
modifications to the

13 one that I did last time that, should the family
and Kaiser

14 agree that there is an acceptable facility to be
transferred to 15 during that time, that those
efforts would be done and 16 accommodated.

17 And I base this in large part time-wise as
well as the

18 information the Court received today, and that is
the affidavit

19 from Ms. Clemente. Even though it's dated April
27th, she

20 discusses going back and receiving this on April
20th, so there

21 has been, in her own opinion, a minimum of seven
to ten days

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that will have been just about the time,
under her own declaration, when we come
back on Friday at 9 a.m.

So to the extent the declaration -- I'm
sorry -- the TRO that was filed on April 22nd
needs to be modified, on page 2, we will strike
"Sacred Heart Medical Center and the reference
therein," and if I say "transfer to an acceptable
facility -- an acceptable medical facility which
has agreed to admit Israel."

Number 2, striking "transportation to Sacred
Heart" to - 5 it would read instead "to an
acceptable medical facility," and I
6 would include "by AirCARE1 and/or other
acceptable 7 transportation service acceptable to
both Kaiser and Ms. Fonseca

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8 and Mr. Stinson."

9 Number 3 would continue, adding after
AirCARE1, at the end

10 of the paragraph that I had just mentioned about
or other

11 acceptable transportation, whatever the language
was I had said

12 there. Again, in paragraph number 4, after
AirCARE1 would 13 include that additional
transportation language.

14 Paragraph 5 would be "with the admitting
physician" --

15 that's striking "Sacred Heart" -- and that
approved medical 16 provider would be included
there in both places, 19 and 20 17 lines, where
that is indicated.

18 I believe the rest of it would be a
continuing line except

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19 we would strike on page 3 -- this is continuing
on to paragraph

20 6 that starts on the proceeding page -- item
number B at line 7

21 would read "Friday, April 29th, 2016, 9 a.m."

and, of course, paragraph 7, "setting the
further proceedings" -- as I have

indicated here -- "for this

Friday." Anything

further, Ms. Snyder?

MS. SNYDER: I did have a question. I just
wanted to

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confirm that an acceptable medical facility would encompass or include the arrangements that Angela Clemente has set forth in her declaration.

THE COURT: I want to hear from Kaiser on that.

5 MR. CURLIANO: Your Honor, having just reviewed the
6 declaration, I can see in principle, if it is something that can
7 be confirmed by my medical providers, it would be appear to be
8 something that would be appropriate. I can't make that
9 representation as an attorney, though, but I have -- in fact, I
10 did that out in the hall. I e-mailed it to the providers, and 11 I'll find out as soon as we get

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out, or I can check right now if 12 the Court would like.

13 THE COURT: Why don't you go ahead so we can make this 14 certain for everyone, or as certain as we can anyway.

15 Mr. Coffman? 16 MR. COFFMAN:
Given the way things seem to be going, Your 17 Honor, could I be excused from these proceedings?

18 THE COURT: Yes, sir. Thank you for being here, sir.

19 MR. COFFMAN: No problem, Your Honor.

20 MR. CURLIANO: Your Honor, I had a brief conversation with

21 Dr. Myette about the issue of potentially what we will refer to as a subacute facility, and I'm going off the declaration we looked at.

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Putting aside whether or not they will accept Israel, in principle, Kaiser has no problem, Dr. Myette in particular. We would do the same things that we would do to prepare the child for transport to any other facility; and since the agreement that we had reached last week that says that Kaiser is no longer

legally responsible for care and treatment, we would leave the 5 treatment to the facility the child is being transferred to.

6 The only concern is -- my understanding and Dr. Myette had

7 mentioned this -- is that a subacute facility, even if it is in

8 a residence, may require a PEG and a trach before the -- Israel

9 is transferred. If that's the issue, then that is not something

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10 that Kaiser can accommodate. If it is not, then
we would go 11 back to what we principally agreed
to do which is stabilize and 12 make sure the child
is prepared for transport.

13 THE COURT: Ms. Snyder, with the
understanding -- I think

14 I have made it clear, but I'm not going to order
or direct that 15 Kaiser -- I'm not going to put
those doctors under California

16 law into that ethical dilemma, that they --

17 MS. SNYDER: And I realize this is -- I
don't know if

18 there's anything -- if this is a liability issue,
if there's 19 anything that we can address with
respect to potential liability

20 or --

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21 MR. CURLIANO: If it was -- and that's -

MS. SNYDER: Is that a question of liability
for -- to do those procedures?

MR. CURLIANO: It's a much bigger issue,
Your Honor, and at the top of the list is ethical
considerations.

THE COURT: Right. I understand.

MR. CURLIANO: That's pretty
substantial. MS. SNYDER: I just thought
that, if it were, we could address that.

5 THE COURT: Okay. So I'm going to have my
temporary 6 restraining order continued under the
language that I proposed 7 earlier then. Mr.
Curliano?

8 MR. CURLIANO: I know my hand moved up.
It's the Italian

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9 in me. One brief point, because I do need to
make it for the

10 record, I'm not sure if the Court has just
considered the

11 documents that were provided by petitioner today
are formally

12 admitted into evidence; but in particular, with
respect to the

13 declaration of Dr. Byrne to the extent it becomes
part of the 14 record, I don't believe that there's
an appropriate foundation 15 for Dr. Byrne to
provide that opinion.

16 I certainly don't think in this context at
this stage of

17 the proceedings that a declaration has any
evidentiary value;

18 and I don't believe that he is qualified, for
reasons that I 19 think we have enumerated

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previously on the record, to provide an 20 opinion
in this case.

21 And finally, I think, without reading it,
if you go to

paragraph 14, that is really his opinion -- and I
think I

articulated it earlier as my offer of proof --
brain death is not true death, and I don't believe
you can have an expert opine that California law
is wrong and his opinion therefore becomes

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relevant. I just wanted to say that for the record.

THE COURT: Thank you. I have read and reviewed them.

Let me just state this. Let me say a couple of things here.

Bear with me for a moment before we close out here. I want to 5 read -- paraphrasing from Dority:

6 "In the case before us, we have a petition . . . after the

7 doctors have made their brain death determination. A portion of

8 the hearing was devoted to medical testimony which resulted in

9 the court's declaring the infant brain dead. We find no 10 authority mandating that a court must make a determination brain 11 death has occurred.

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12 Section 7180 requires only that the
determination be made

13 in accordance with accepted medical standards.
As a safety

14 valve, Health and Safety Code Section 7181 calls
for an 15 independent confirmation of brain death
by a second physician.

16 This is, and should be, a medical problem and we
find it

17 completely unnecessary to require a judicial,
quote, rubber

18 stamp, end quote" -- the word of the appellate
decision in

19 Dority -- "on this medical determination. This
does not mean 20 parents or guardians are foreclosed
from seeking another medical 21 opinion.

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In this case, both the treating and consulting physicians agreed brain death had occurred. No medical evidence was introduced to prove otherwise. The medical profession need not go into court every time it declares brain death where the diagnostic test results are irrefutable," quoting that paragraph

in Dority at 278.

So that's what I have focused upon here, and I must follow the law. That's what I'm required to do. I take an oath to do 5 that. Citizens expect and demand that of me, and that's what I 6 have to do is follow that law.

7 The information before me right now has shown that there's

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8 a determination of death that has been made in
accordance with

9 accepted medical standards under 7181, that
safety valve that

10 the Dority court refers to, and there has been
independent

11 confirmation by another physician. Similar to
Dority, treating

12 physicians, if you include UC Davis into that and
the subsequent 13 physicians, it's almost similar in
terms of what happened in 14 Dority.

15 It's important to also note something from
the papers of

16 Kaiser at page 7 in their opposition to the
temporary

17 restraining order that was filed on April 21st.
Paragraph 9,

18 "This is not a situation involving a person in a
persistent

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19 vegetative state where the person is in a wakeful
unconscious

20 state with a diminished level of brain
activity. Rather, 21 Israel's brain has
permanently and completely stopped

functioning."

Whether there's a disagreement or agreement
between the physicians as to whether that's the
case or what have you, under the law, I have to
make that -- find whether or not that
determination has been made in accordance with
medical

standards.

All right. Therefore, under -- considering
those sections
and finding that those determinations have been
made and there's

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5 nothing further before me to refute it, under
1254.4, though,

6 I'm going to, as I have indicated here, find the
next couple of

7 days to be that reasonable period of time that's
identified 8 under 1254.4. I will see you folks
again this Friday at nine 9 o'clock.

10 MS. SNYDER: Thank you, Your Honor.

11 MR. CURLIANO: Thank you, Your Honor.

12 MR. JONES: Thank you.

13 MR. STINSON: Thank you so much, man.

God bless. 14 (Whereupon,

the matter is concluded.) 15

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that all personal 19 juror identifying information has
been redacted.

20 IN WITNESS WHEREOF, I have subscribed this
certificate at 21 Roseville, California, this 28th day
of April, 2016.

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MELISSA S. SULLIVAN, CSR

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License No. 13843

EXHIBIT H

Declarant, Paul A. Byrne, M.D., states as follows:

1. I have personal knowledge of all the facts contained herein and if called to testify as a witness I would and could competently testify thereto.
2. I am a physician licensed in Missouri, Nebraska and Ohio. I am Board Certified in Pediatrics and Neonatal-Perinatal Medicine. I have published articles on "brain death" and related topics in the medical literature, law literature and the lay press for more than thirty years. I have been qualified as an expert in matters related to central nervous system dysfunction in Michigan, Ohio, New Jersey, New York, Montana, Nebraska, Missouri, South Carolina, and the United States District Court for the Eastern District of Virginia.
3. I have reviewed the medical records of Israel Stinson, a 2-year-old boy, a patient in Kaiser Permanente, Roseville Hospital. I have visited Israel Stinson several times. On April 22 when I visited him, he was in the arms of his mother. A ventilator was in place.
4. Israel suffers from the effects of hypoxia and hypothyroidism as well as other conditions that require continuing medical treatment.
5. Israel receives treatment for diabetes insipidus by medication administered intravenously. The patient's family and I agree this treatment should continue.
6. Israel had asthma attack at home on April 1, 2016. He was taken to Mercy General Hospital ER. He was intubated and then transferred to UC Davis Children's Hospital. ET tube was removed. Shortly thereafter, he had difficulty with breathing and suffered a cardiorespiratory arrest. He was intubated, placed on a ventilator treated with ECMO. After this, a declaration of "brain death" was made.
7. Israel has been receiving ventilator support to assist the functioning of his lungs via endotracheal tube since April 1. Tracheostomy has not been done.
8. On April 4, Cranial Doppler showed "Near total absence of blood flow into the bilateral cerebral hemispheres."

**PATIENT EVALUATION FOR DETERMINATION OF BRAIN DEATH
FIRST EXAMINATION AND APNEA TEST**

Patient's Name: Israel Stinson

First Exam. Date: 4/4/16 Time: 0932 Temp: 36.4 B/P: 100/65 (78)

A. Preliminary Determination

1. Patient in coma: no
 - A. Cause of coma: n/a
 - B. Method by which coma diagnosed: n/a

It is recorded above on April 4 that Israel Stinson is not in coma.

Then, on April 8, the following is recorded, again as "First Examination and Apnea test." So, which is the first?

**PATIENT EVALUATION FOR DETERMINATION OF BRAIN DEATH
FIRST EXAMINATION AND APNEA TEST**

Patient's Name: Israel Stinson

First Exam. Date: 4/8/16 Time: 935 Temp: 36.9 B/P: 106/69 (78)

A. Preliminary Determination

1. Patient in coma: no

And again, not in coma.

8(a) An apnea test has been done on Israel 3 times. The first test was April 8. He was made acidotic (pH 7.13) and hypercapneic (pCO₂ 76). It must be noted that the Doppler still recorded blood flow on April 4, which was prior to the first apnea test.

The second apnea test was on April 12. Again he was made severely acidotic (pH 5.15) and severe hypercapneic (pCO₂ 76).

Apnea test 3 was done April 14. His pCO₂ increased to 82 and pH decreased to 7.15. This was not bad enough, so no ventilator life support was continued for another 3 minutes. By then the pH was down to 7.10 and the pCO₂ increased to extremely high level of 95.

These tests have caused Israel to have severely elevated levels of carbon dioxide and caused severe acidosis. These tests could not have helped Israel. Further, the third time was after Israel's parents requested that testing not be done.

9. Israel's only nutrition since April 1 has been Dextrose, the equivalent of 7-Up. He has been starved of protein, fat and vitamins.

9. Israel's parents requested thyroid blood studies April 17. They were done on April 18. Results showed that Israel has hypothyroidism. His parents requested that thyroid be given every 6 hours. Thyroid was started on April 18, but only once a day.

10. Prior to April 17/18 Israel was not tested or treated for his hypothyroidism, which has probably been present since his cardiorespiratory arrest. Thyroid hormone is necessary for ordinary normal health and healing of the brain. Lack of thyroid hormone may account for his continued coma. The following information on the importance of hypothyroidism in cases of brain damage is from published studies:

A) Shulga A, Blaesse A, Kysenius K, Huttunen HJ, Tanhuanpää K, Saarna M, Rivera C. Thyroxin regulates BDNF expression to promote survival of injured neurons. *Mol Cell Neurosci*. 2009 Dec;42(4):408-18. doi: 10.1016/j.mcn.2009.09.002. Epub 2009 Sep 16.

Abstract: A growing amount of evidence indicates that neuronal trauma can induce a recapitulation of developmental-like mechanisms for neuronal survival and regeneration. Concurrently, ontogenic dependency of central neurons for brain-derived neurotrophic factor (BDNF) is lost during maturation but is re-acquired after injury. Here we show in organotypic hippocampal slices that thyroxin, the thyroid hormone essential for normal CNS development, induces up-regulation of BDNF upon injury. **This change in the effect of thyroxin is crucial to promote survival and regeneration of damaged central neurons.** In addition, the effect of thyroxin on the expression of the K-Cl cotransporter (KCC2), a marker of neuronal maturation, is changed from down to up-regulation. Notably, previous results in humans have shown that during the first few days after traumatic brain injury or spinal cord injury, thyroid hormone levels are often diminished. **Our data suggest that maintaining normal levels of thyroxin during the early post-traumatic phase of CNS injury could have a therapeutically positive effect.**

Available at: <http://www.hindawi.com/journals/itr/2013/312104/>

B) Mourouzis I, Politl E, Pantos C. Thyroid hormone and tissue repair: new tricks for an old hormone? *J Thyroid Res*. 2013;2013:312104. doi: 10.1155/2013/312104. Epub 2013 Feb 25.

Abstract: Although the role of thyroid hormone during embryonic development has long been recognized, its role later in adult life remains largely unknown. However, several lines of evidence show that thyroid hormone is crucial to the response to stress and to poststress recovery and repair. Along this line, TH administration in almost every tissue resulted in tissue repair after various injuries including ischemia, chemical insults, induction of inflammation, or exposure to radiation. **This novel action may be of therapeutic relevance, and thyroid hormone may constitute a paradigm for pharmacologic-induced tissue repair/regeneration.**

C) Shulga A, Rivera C. Interplay between thyroxin, BDNF and GABA in injured neurons. *Neuroscience*. 2013 Jun 3;239:241-52. doi: 10.1016/j.neuroscience.2012.12.007. Epub 2012 Dec 13.

Abstract: Accumulating experimental evidence suggests that groups of neurons in the CNS might react to pathological insults by activating developmental-like programs for survival, regeneration and re-establishment of lost connections. For instance, in cell and animal models it was shown that after trauma mature central neurons become dependent on brain-derived neurotrophic factor (BDNF) trophic support for survival. This event is preceded by a shift of postsynaptic GABA_A receptor-mediated responses from hyperpolarization to developmental-like depolarization. These profound functional changes in GABA_A receptor-mediated transmission and the requirement of injured neurons for BDNF trophic support are interdependent. Thyroid hormones (THs) play a crucial role in the development of the nervous system, having significant effects on dendritic branching, synaptogenesis and axonal growth to name a few. **In the adult nervous system TH thyroxin has been shown to have a neuroprotective effect and to promote regeneration in experimental trauma models.** Interestingly, after trauma there is a qualitative change in the regulatory effect of thyroxin on BDNF expression as well as on GABAergic transmission. **In this review we provide an overview of the post-traumatic changes in these signaling systems and discuss the potential significance of their interactions for the development of novel therapeutic strategies.**

The results of test of thyroid function of Israel Stinson are:

4/17/16 TSH: 0.07 (normal 0.7-5)

4/17/16: T4: 0.4 (Normal .8-1.7)

Israel's brain (hypothalamus) is not producing sufficient TSH, thyroid stimulating hormone, which has a half-life of only a few minutes.

If image scans are not sensitive enough to detect circulation in his brain, his brain may be only functionally silent but still functionally recoverable if proper treatment is given.

T4 is low and brain edema has turned into brain myxedema. If T4 is given, brain circulation can increase and resume normal levels, thereby restoring normal neurological and hypothalamic function.

11. Israel is dependent upon ventilator to keep him alive. Tracheostomy is indicated to facilitate his treatment and care. A tracheostomy needs to be done. If the endotracheal tube is removed, very likely Israel's airway will not remain open for breathing. If Israel is disconnected from the ventilator, he likely would be unable to breathe on his own because of the duration of time he has been on the ventilator.
12. With proper medical treatment as proposed by his parents, Israel is likely to continue to live, and may find limited to full recovery of brain function, and may possibly regain consciousness.
13. Israel has a beating heart without support by a pacemaker or medications. Israel has circulation and respiration and many interdependent functioning organs including liver, kidneys and pancreas. In spite of low thyroid Israel's body manifests healing. Israel Stinson is a living person who passes urine and would digest food and have bowel movements if he were fed through a nasogastric or PEG tube. These are functions that do not occur in a cadaver after true death.
14. Patients in a condition similar to Israel Stinson's clinical state may indeed achieve total or partial neurological recovery even after having fulfilled criteria of "brain death" legally accepted in the State of California, or established anywhere in the world, provided that they receive treatments based on recent scientific findings (although not yet commonly incorporated into medical practice).
15. The criteria for "brain death" are multiple and there is no consensus as to which set of criteria to use (Neurology 2008). The criteria supposedly demonstrate alleged brain damage from which the patient cannot recover. However, there are many patients who have recovered after a declaration of "brain death." (See below.) Israel is not deceased; Israel is not a cadaver. Israel has a beating heart with a strong pulse, blood pressure and circulation. Israel makes urine and would digest food and have bowel movements if he is fed. These are indications that Israel is alive.
16. Israel needs a warming device, but he is not a cold corpse. His body temperature has not equilibrated with the environmental temperature as would have occurred if Israel were a corpse.

17. The latest scientific reports indicate that patients deemed to be "brain dead" are actually neurologically recoverable. I recognize that such treatments are not commonly done. Further it is recognized that the public and the Court must be wondering why doctors don't all agree that "brain death" is true death. Israel, like many others, continues to live in spite of little or no attention to detail necessary for treating a person on a ventilator. Israel, like all of us needs thyroid hormone. Many persons are on thyroid hormone because they would die without it.
18. The diagnosis of "brain death" is currently based on the occurrence of severe brain swelling unresponsive to current therapeutic methods. The brain swelling in Israel Stinson began with the cardiorespiratory arrest that occurred more than 3 weeks ago. Progressive expansion of brain swelling raises the pressure inside the skull thereby compressing the blood vessels that supply nutrients and oxygen to the brain tissue itself. Upon reaching maximum levels, the pressure inside the skull may eventually stop the cerebral blood flow causing brain damage. However, Israel Stinson may achieve even complete or nearly complete neurological recovery if he is given proper treatment soon. Every day that passes, Israel is deprived of adequate nutrition and thyroid hormone required for healing.
19. The questions presented here refer to (1) the unreliability of methods that have been used to identify death and (2) the fact that no therapeutic methods that would enable brain recovery have been used so far. In fact, the implementation of nutrition and adequate therapeutic methods are being obstructed in the hope that Israel's heart stops beating, thereby precluding his recovery through the implementation of new therapeutic methodologies.
20. Israel Stinson's brain is probably supplied by a partially reduced level of blood flow, insufficient to allow full functioning of his brain, such as control of respiratory muscles and production of a hormone controlled by the brain itself. This is called thyroid stimulating hormone, TSH, which then stimulates the thyroid gland to produce its own hormones. With insufficient amount TSH Israel has hypothyroidism. The consequent deficiency of thyroid hormones sustains cerebral edema and prevents proper functioning of the brain that control respiratory muscles.
21. On the other hand, partially reduced blood flow to his brain, despite being sufficient to maintain vitality of the brain, is too low to be detected through imaging tests currently used for that purpose. Employing these methods currently used for the declaration of "brain death" confounds NO EVIDENCE of circulation to his brain with actual ABSENCE of circulation to his brain. Both reduced availability of thyroid hormones and partial reduction of brain blood flow also inhibit brain electrical activity, thereby preventing the detection of brain waves on the EEG. The methods currently used for the declaration of "brain death" confound flat brain waves with the lack of vitality of the cerebral cortex. It is noted that EEG has not been done on Israel Stinson.
22. In 1975, Joseph, a patient of mine, was on a ventilator for 6 weeks. He wouldn't move or breathe. An EEG was flat without brainwaves, which was interpreted by neurologists as "consistent with cerebral death." It was suggested to stop treatment. I continued to treat him. Eventually, Joseph was weaned from the ventilator, went to school and is now married and has 3 children.
23. In 2013, Jahi McMath was in hospital in Oakland, CA. When I visited her in the hospital in Oakland, Jahi was in a condition similar to Israel. A death certificate was issued on Jahi on December 12, 2013. Jahi was transferred to New Jersey where tracheostomy and gastrostomy were done and thyroid medication was given. Multiple neurologists recently evaluated Jahi and found that she no longer fulfills

any criteria for "brain death. Since Jahi has been in New Jersey, she has had her 14th and 15th birthdays. The doctors in Oakland declared Jahi dead and issued a death certificate. Jahi's mother said no to taking Jahi's organs and no to turning off her ventilator. Israel's parents are saying no to taking Israel's organs and to taking away his life support. Just like Jahi's mother!

24. The fact that Israel's brain still controls or at least partially controls his blood pressure and temperature and produces some thyroid stimulating hormone indicates that his brain is functioning and not irreversibly damaged. Rather, Israel is in a condition best described in layman's terms as similar to partial hibernation – a status to which an insufficient production of thyroid hormones also contributes.

25. The administration of thyroid hormone constitutes a fundamental therapeutic method that can reduce brain edema, relieving the pressure of cerebral edema on blood vessels and restoring normal levels of brain blood flow. By reestablishing the normal range of brain blood flow, recovery of his brain can be expected. In other words, he would regain consciousness and breathe on his own (without the aid of mechanical ventilation). That, however, cannot be accomplished by using only a ventilator and not giving adequate nutrition. Israel indeed requires active treatment capable of inducing neurological recovery. Correction of other metabolic disorders may enhance his chances of recovery.

26. Even a person in optimal clinical condition would be at risk of death after weeks of hypothyroidism and only sugar (similar to only 7-up). Israel Stinson needs a Court order requiring Kaiser Permanente to actively promote the implementation of all measures necessary for Israel's survival and neurological recovery, including tracheostomy, gastrostomy, thyroid hormone, and proper nutrition to prevent death.

27. Israel Stinson needs the following procedures done:

- a. Tracheostomy and gastrostomy
- b. Serum T3, T4, TSH and TRH (thyroid releasing hormone).
- c. Levothyroxine 25 mcg nasogastrically, nasogastrically or IV every 6 hours the first day; dose needs to be adjusted thereafter in accord with TSH, T3 and T4.
- d. Samples for lab tests for growth hormone (maybe serum samples can be frozen for future non-STAT tests).
- e. Serum insulin-like growth factor I (IGF-I) to evaluate growth hormone deficiency.
- f. Parathormone (PTH) and 25(OH)D3 to evaluate vitamin D deficiency and replacement.
- g. Continue to follow electrolytes (sodium, chloride, potassium, magnesium, total and ionized calcium), creatinine and BUN.
- h. Continued monitoring of blood gases.
- i. Serum albumin and protein levels.
- j. CBC including WBC with differential and platelet count.
- k. Urinalysis (including quantitative urina culture and 24-hour urine protein).

- i. Continue accurate Intake and Output.
- m. Diet with 40 g of protein per day (nasogastrically or nasogastrically). Fat intravenous until feedings are into stomach.
- n. IV fluids (volume and composition to be changed according to daily serum levels of electrolytes (sodium, chloride, potassium, magnesium, total and ionized calcium) and fluid balance.
- o. Water, nasogastrically or nasogastrically, if necessary to treat hypernatremia – volume and frequency according to serum sodium.
- p. Fludrocortisone Acetate (Florinef[®]) Tablets USP, 0.1 mg - one tablet (nasogastrically or nasogastrically) per day;
- q. Prednisone 10 mg (nasogastrically or nasogastrically) twice per day;
- r. Continue Vasopressin IM, or Desmopressin acetate nasal spray (DDAVP – synthetic vasopressin analogue) one or two times per day according to urinary output;
- s. Human growth hormone (somatropin) [0.006 mg/kg/day (12 kg = 0.07 mg per day)] subcutaneously;
- t. Arginine Alpha Ketoglutarate (AAKG) powder 10 g diluted in water (nasogastrically or nasogastrically) four times per day;
- u. Pyridoxal-phosphate ("coenzymated B6", PLP) - sublingual administration four times per day;
- v. Taurine 2 g diluted in water (nasogastrically or nasogastrically) four times per day;
- w. Cholecalciferol 30,000 IU three times per day (nasogastrically or nasogastrically) for 3 days. Then 7,000 IU three times per day (nasogastrically or nasogastrically) from day 4.
- x. Riboflavin 20 mg four times per day (nasogastrically or nasogastrically)
- y. Folic acid 5 mg two times per day (nasogastrically or nasogastrically).
- z. Vitamin B12 1,000 mcg once per day (nasogastrically or nasogastrically).
- aa. Concentrate / mercury-free omega-3 (DHA / EPA) 3 cc four times per day (nasogastrically or nasogastrically).
- bb. Chest physiotherapy
- cc. Blood gases; adjust ventilator accordingly.
- dd. Keep oxygen saturation 92-98%
- ee. Air mattress that cycles and rotates air.
- ff. Pressor agents to keep BP at 70-80/50-60.

27. In a situation such as this where continued provision of life-sustaining measures such as ventilator, medications, water and nutrition are at issue, it is my professional judgment that the decision regarding their appropriateness rests with the family, not the medical profession.

References to some of those who have recovered after a declaration of "brain death":

Hospital staff began discussing the prospect of harvesting her organs for donation when she squeezed her mother's hand. Kopf was mistakenly declared dead in hospital but squeezed her mother's hand in 'breathtaking miracle.'

<https://www.dropbox.com/s/dtt4hkkx89ikvg/Uber%20Shooting%20Victim%20Abigail%20Kopf%20Goin%20From%20Victim%20to%20Survivor%20-%20NBC%20Nightly%20News.mp4?dl=0>

Zack Dunlap from Oklahoma. Doctors said he was dead, and a transplant team was ready to take his organs — until a young man came back to life

<http://www.msnbc.msn.com/id/23768436/>; <http://www.lifesitenews.com/ldn/2008/mar/08032709.html>, March 2008

Rae Kupferschmidt: <http://www.lifesitenews.com/ldn/2008/feb/08021508.html>, February 2008.

Frenchman began breathing on own as docs prepared to harvest his organs
www.msnbc.msn.com/id/25081786

Australian woman survives "brain death" <http://www.lifesitenews.com/news/brain-dead-woman-recovers-after-husband-refuses-to-withdraw-life-support> UTM source=LifeSiteNews.com+Daily+Newsletter&utm_campaign=231fd2c2c9-LifeSiteNews.com_US_Headlines05_12_2011&utm_medium=email

Val Thomas from West Virginia

WOMAN WAKES AFTER HEART STOPPED, RIGOR MORTIS SET IN
<http://www.foxnews.com/story/0,2933,357463,00.html>

<http://www.lifesitenews.com/ldn/2008/may/08052709.html>, May 2008.

An unconscious man almost dissected alive:

<http://www.lifesitenews.com/ldn/2008/jun/08061308.html>, June 2008

Gloria Cruz: <http://www.lifesitenews.com/news/brain-dead-woman-recovers-after-husband-refuses-to-withdraw-life-support/>, May 2011

Madeleine Gauron: <http://www.lifesitenews.com/news/brain-dead-quebec-woman-wakes-up-after-family-refuses-organ-donation/>, July 2011

References that "brain death" is not true death include:

Joffe, A. Brain Death Is Not Death: A Critique of the Concept, Criterion, and Tests of Brain Death. *Reviews in the Neurosciences*, 20, 187-198 (2009), and Rix, 1990; McCullagh, 1993; Evans, 1994; Jones, 1995; Watanabe, 1997; Cranford, 1998; Potts et al., 2000; Taylor, 1997; Reuter, 2001; Lock, 2002; Byrne and Weaver, 2004; Zamperetti et al., 2004; de Mattei, 2006; Joffe, 2007; Truog, 2007; Karakatsanis, 2008; Verheijde et al., 2009. Even the President's Council on Bioethics (2008), in its white paper, has rejected "brain death" as true death.

VERIFICATION

I declare under penalty of perjury under the law of the State of California that the foregoing is true and correct.

Executed on 4-26-2016

Signature: Paul A. Byrne MD



PAPER

In what circumstances will a neonatologist decide a patient is not a resuscitation candidate?

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ABSTRACT

Objective The purpose of this study was to determine the opinions of practising neonatologists regarding the ethical permissibility of unilateral Do Not Attempt Resuscitation (DNAR) decisions in the neonatal intensive care unit.

Study design An anonymous survey regarding the permissibility of unilateral DNAR orders for three clinical vignettes was sent to members of the American Academy of Pediatrics Section of Perinatal Medicine.

Results There were 490 out of a possible 3000 respondents (16%). A majority (76%) responded that a unilateral DNAR decision would be permissible in cases for which survival was felt to be impossible. A minority (25%) responded 'yes' when asked if a unilateral DNAR order would be permissible based solely on neurological prognosis.

Conclusions A majority of neonatologists believed unilateral DNAR decisions are ethically permissible if survival is felt to be impossible, but not permissible based solely on poor neurological prognosis. This has significant implications for clinical care.

infant below the threshold of viability, and might at times decide to forgo attempts at resuscitation without explicitly seeking parental agreement, in cases wherein survival is felt to be impossible.⁶ We hypothesised that a substantial portion of neonatologists would therefore acknowledge that they find unilateral DNAR decisions ethically acceptable in at least some circumstances.

STUDY DESIGN

An anonymous survey was sent to members of the American Academy of Pediatrics Section of Perinatal Medicine (now the Section on Neonatal-Perinatal Medicine) using surveymonkey.com. The consent was implied by completion of the survey. The survey consisted of three clinical vignettes followed by questions regarding the permissibility of a unilateral DNAR order for the specific case. Demographic information (years in practice; intensive care unit (ICU) level; unit capacity; the presence of trainees and the presence of a neonatal or paediatric palliative care service) was also collected in an attempt to determine the effect of these characteristics on neonatologists' willingness to place a unilateral DNAR order. The survey was sent on 4 September 2014 to the 3000 members of the American Academy of Pediatrics Section of Perinatal Medicine who had an email address listed with the section listserve and remained open for 2 weeks.

Hypothetical vignettes were designed to determine neonatologists' opinions regarding the ethical permissibility of unilateral DNAR orders in three settings: (1) a patient unlikely to survive a resuscitation, (2) a patient who may survive a resuscitation but would be neurologically devastated and (3) a patient for whom there is no curative treatment available (box 1). The first vignette concerned Frank, a preterm infant born at 22+5 weeks gestation who, despite intensive efforts, is dying. The neonatologist in this vignette believes the patient will not survive a resuscitation attempt. There has not yet been a discussion with the family in this vignette. The respondents are asked whether placing a unilateral DNAR order is acceptable when survival is felt to be unlikely, and when survival is felt to be impossible, and are then asked if they would place such an order. Methods of conflict mediation in the event of disagreement between the family and the physician regarding a DNAR order were also queried in this vignette.

The second vignette concerned Jennifer, a term female with severe lissencephaly who is having respiratory decompensation. The purpose of this

INTRODUCTION

A unilateral Do Not Attempt Resuscitation (DNAR) order refers to a decision by a physician/medical team that is made without permission or assent from the patient or the patient's surrogate decision-maker. Possible justifications might include the belief that an attempted resuscitation would offer no benefit to the patient, or that any possible benefit would be outweighed by the burdens to the patient.¹ Proponents of unilateral DNAR decisions assert that they avoid unnecessary and painful interventions at the end of life. Various medical associations, including the American Medical Association (AMA), have published codes of ethics that allow physicians not to provide interventions that they do not feel would be beneficial, but determination of which interventions might be beneficial is often nebulous.²⁻³ Opponents of unilateral DNAR orders argue that they usurp the patients' or surrogate decision-makers' ethical and legal authority to make decisions.⁴

While there is acknowledgement that the parents' right to make decisions for their child is generally to be respected, the physician's responsibilities sometimes include protecting the patient from treatment considered harmful or inhumane.⁵ We believe that neonatologists have particular familiarity with the concept of unilateral DNAR decisions, given that they are, at times, consulted regarding care and possible resuscitation for an

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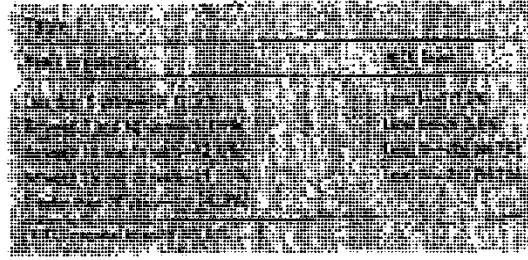
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Clinical ethics

vignette was to query the opinion of neonatologists regarding cases in which survival might be possible after a resuscitation, but with poor neurological outcome. Three questions followed this vignette and centered around the permissibility of unilateral DNAR orders in cases where there is poor neurological prognosis.

The third vignette described Franne, a term female who had a pulmonary artery shunt placed shortly after birth, which is now failing. Franne also bears a diagnosis that is associated with a poor neurological prognosis. This vignette was designed to query neonatologists' opinions regarding unilateral DNAR orders in cases for which there are no curative treatments available.

The primary outcome measure was whether or not the queried neonatologist felt the unilateral DNAR order was ethically permissible for the given vignette. χ^2 tests of association were used to determine whether responses differed by the demographic characteristics. Analyses were conducted using SAS



V9.3 (Cary, North Carolina, USA). Statistical significance was established at 0.05.

RESULTS

There were 490 responses out of a possible 3000 respondents (16%). Selected demographic data concerning the respondents are provided in table 1. For questions such as 'What is the level of the unit in which you currently practice?', some respondents selected more than one response. For the primary outcome, bar graphs are shown regarding the perceived permissibility of a unilateral DNAR decision for each vignette in figures 1-3.

For the first vignette, when asked if a unilateral DNAR order would be appropriate when survival is felt to be unlikely, 61% of respondents answered yes (Question 1.1). An even greater majority answered in the affirmative (77%) when the question is changed to indicate an infant for whom survival was felt to be impossible (Question 2.1). While a clear majority of respondents answered that a unilateral DNAR order would be permissible if survival was felt to be impossible or unlikely, only 51% of respondents answered that they would actually place such an order themselves in this first vignette (Question 3.1). In cases of physician-parent conflict regarding what is perceived as best for the patient, the vast majority of respondents cited ethics committee consultation as a method of conflict resolution. The next most cited resource was consultation with the medical director or section chief, followed by case discussion with a representative of the risk management department. Very few respondents answered that they would pursue temporary custody from the courts in cases of physician-parent disagreement.

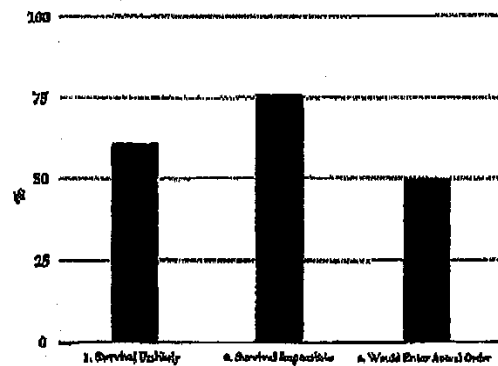
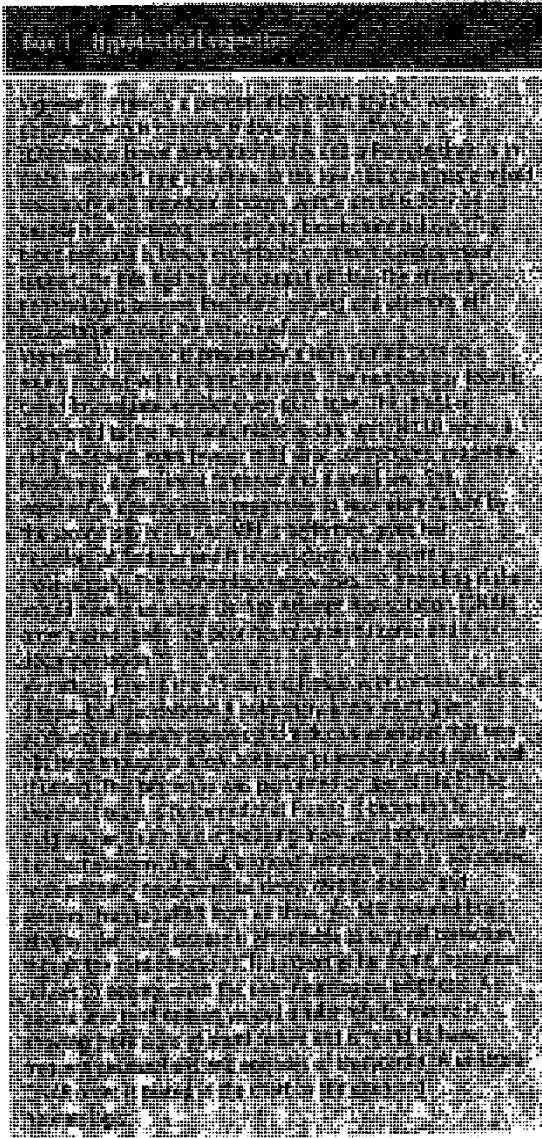


Figure 1 Percentage who answered 'yes' to vignette 1 questions
1. Is a unilateral Do Not Attempt Resuscitation (DNAR) permissible when survival is unlikely?
2. Is a unilateral DNAR permissible when survival is impossible?
3. Would you actually enter the order in this case?

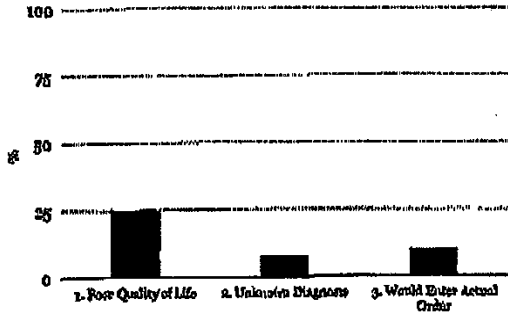


Figure 2 Percentage who answered 'yes' to vignette 2 questions
 1. Is a unilateral Do Not Attempt Resuscitation (DNAR) permissible in cases associated with a poor quality of life?
 2. Is a unilateral DNAR permissible in cases where the diagnosis is unknown?
 3. Would you enter a unilateral DNAR in this case?

For the second vignette, meant to query opinions regarding a unilateral DNAR order in cases of poor neurological prognosis, 119 (25%) of the neonatologists responded that it was ethically permissible to place a unilateral DNAR order based on a poor neurological prognosis and long-term prospects for poor quality of life (Question 1.2). Forty-nine (10%) answered in the affirmative when asked if they would actually place a unilateral DNAR order themselves based on the information presented in vignette 2 (Question 3.2). Forty-one (8.5%) responded that it was ethically permissible to place a unilateral DNAR order when a diagnosis is unknown (Question 2.2).

Vignette 3 concerned a critically ill infant with a poor neurological prognosis who will succumb to congenital heart disease unless surgically corrected. Neonatologists were asked if a unilateral DNAR order would be appropriate if no curative treatment were available. Two hundred and sixty-six (57%) respondents felt a unilateral DNAR order would be appropriate in such a case (Question 1.3), and 171 (37%) responded that they actually would enact such an order (Question 3.3). Of note, 378 (81%) felt the CT surgery team was justified in not performing a potentially life-saving therapy based on the patient's poor neurological prognosis (Question 2.3).

When analysing the effect of years in practice on opinions regarding permissibility of a unilateral DNAR order, neonatologists with more than 15 years' experience were less likely to

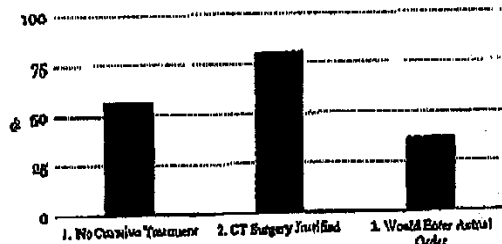


Figure 3 Percentage who answered 'yes' to vignette 3 questions
 1. Is a unilateral Do Not Attempt Resuscitation (DNAR) permissible when no other curative therapy exists?
 2. Is the cardiothoracic (CT) surgical team justified in not operating based on a poor quality of life?
 3. Would you enter a unilateral DNAR in this case?

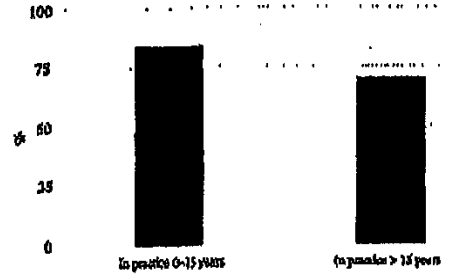


Figure 4 Percentage who answered 'yes' by years in practice when asked if a unilateral Do Not Attempt Resuscitation (DNAR) was permissible in cases where survival is impossible, $p < 0.001$.

respond 'yes' ($p < 0.0001$) when survival was felt to be impossible, as shown in figure 4, though even in that group a clear majority responded in the affirmative.

Two hundred and eighty-seven (62%) of the respondents answered yes when asked if they had a paediatric or neonatal palliative care service. Approximately 50% (223) of those polled answered that their institution had a written policy requiring parental permission to withhold cardiopulmonary resuscitation (CPR) with 126 (27%) answering that they did not know if such a policy existed in their institution. Seventy-four per cent of polled neonatologists answered that they work with medical trainees in some capacity. There were no statistically significant differences in the opinions regarding the permissibility of a unilateral DNAR order when analysed by the presence of a palliative care service, the presence of a written policy regarding DNAR orders or the presence of medical trainees.

DISCUSSION

In an earlier publication, we explored ethical arguments in favour of, and opposed to, unilateral DNAR orders in paediatrics.¹ For this study, we sought to determine the opinions and approaches of a large number of neonatologists with regard to the use of unilateral DNAR orders. It is our understanding and experience that neonatologists commonly invoke what is a de facto unilateral DNAR order in the delivery room setting, in that they commonly do not offer parents the option of attempted resuscitation at less than 22 weeks' gestation, based on the perceived impossibility of success. Such an approach would be consistent with recommendations of the American Academy of Pediatrics,⁷ the Canadian Pediatric Society⁸ and the Nuffield Council in the UK.⁹ Thus, we postulated that a significant percentage of neonatologists would find a unilateral DNAR order to be ethically acceptable for at least some neonatal intensive care unit (NICU) patients, including those for whom survival is felt to be extremely unlikely or impossible. The findings of this survey supported that hypothesis; a majority of the neonatologists surveyed (61%) agreed that a unilateral DNAR order is ethically acceptable when survival is extremely unlikely, and an even greater majority (77%) agreed when survival was felt to be impossible.

While ethical analyses can be found in the literature regarding unilateral DNAR orders, this is, to our knowledge, the first survey to address the opinions of a large number of neonatologists on this question.¹ In 2012, Morparis *et al* surveyed Paediatric Intensive Care Unit (PICU) physicians and found that the majority of respondents were not in favour of unilateral DNAR decisions in settings with extremely poor prognosis,

Clinical ethics

though they did not explicitly stipulate in their vignettes that survival was felt to be impossible. The exception in their study was a case for which the child had been declared brain dead; for that case, a majority of PICU physicians did feel unilateral DNAR was acceptable.¹⁰ Nevertheless, the general disagreement with unilateral DNAR orders noted in the study of PICU physicians stands in contrast to the responses of neonatologists described in this paper.

A potential explanation for this discrepancy may derive from the neonatologists' experiences with extremely preterm newborns delivered below the limit of viability. In our experience, unilateral DNAR decisions are often made in such a setting. While the management of patients in the delivery room (DR) might not be completely analogous to either the PICU or the NICU, that increased familiarity of the neonatologists with unilateral DNAR in the delivery room might nevertheless influence their approach to a patient in the NICU. Put another way, unless a neonatologist routinely offers resuscitation to parents for every extremely preterm newborn, regardless of gestational age or chance of viability, he/she has necessarily had experience with unilateral DNAR decisions. It may then be that extending the same reasoning to the NICU setting, and in particular the case wherein survival is felt to be impossible, is a less difficult step for the neonatologist than for the PICU physician. It must be acknowledged, however, that despite a perception of ethical equivalence, withholding intubation and assisted ventilation in the DR may nevertheless feel very different to staff, and more importantly to parents, compared with the NICU. A perception of acceptability of unilateral DNAR in the DR does not necessarily yield the same sense in the NICU. Thus, it is a significant finding that most responding neonatologists found it acceptable in the NICU under certain circumstances.

Another potential explanation of a possible difference in approaches in the NICU and PICU could relate to the difference in the psychological impact of managing newborns exclusively, compared with also managing older children. This is certainly a complex subject, and clearly beyond the scope of this essay, but may nevertheless play an important role in physicians' thinking.¹¹ Finally, it is worth noting that in some of Morparia's vignettes the patients were old enough to have formed, and possibly expressed, opinions regarding resuscitation. This highlights another important difference in resuscitation decisions in these two very different settings.

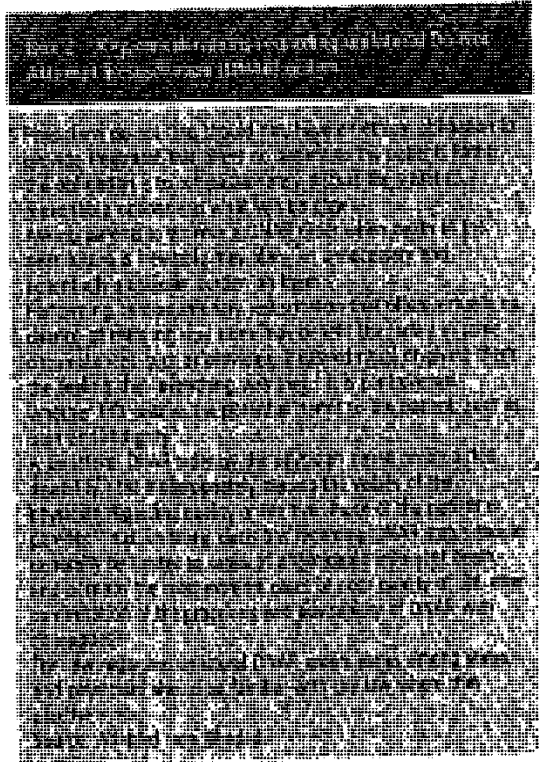
Though the ethical analysis of unilateral DNAR was explored in greater detail in our earlier essay, at least a brief summary of some relevant arguments seems warranted. One argument in favour of the use of unilateral DNAR orders, for cases wherein survival is believed impossible, relates to the potential burdens to the patient of a procedure that appears to offer no significant benefit. This would include the risk of pain during the attempted resuscitation, and possibly during a period of protracted dying. This seems a violation of the child's right to mercy. That is, the right not to be made to undergo potentially painful interventions that offer no significant benefit to the patient. The needs of the parents, such as the need to believe all efforts were made to save their child, are also a valid concern, however, and it seems reasonable that they should often be weighed in the decision regarding DNAR status. Still, we would counsel consideration of the Kantian imperative not to make the child serve solely as a means to someone else's ends, even his parents.¹² Also, there is concern about the potential deception of parents when physicians attempt something that offers no chance of success.

In situations wherein survival is felt to be impossible, some have suggested a feigned attempt at resuscitation, sometimes

referred to as a 'slow code' or 'Hollywood code,' with no real goal of restoring vital signs.¹³ While we believe the motives of those who have advocated this approach are sometimes laudable (eg, reducing the parents' suffering by sparing them the decision regarding DNAR status), we agree with those who suggest this is an unnecessary deception. Rather than feign an attempt to restore vital signs or stability, we have advocated for a unilateral DNAR decision coupled with compassionate explanation in certain extreme cases.^{14 15} We believe that unilateral DNAR is a complex ethical question, with thoughtful and dedicated physicians coming down on both sides, and strong arguments to be made on both sides, and refer the reader to our earlier publication on this subject for a more detailed and nuanced discussion.¹ A summary of our arguments can be found in box 2.

It is understandable that the number of those who considered unilateral DNAR permissible increased substantially when the chance of success went from 'unlikely' to 'impossible.' The imperfections of our prognostic abilities rightly loom large in this matter,¹⁶ and it seems wise that we should require a high degree of confidence in any perceived prognosis before we permit it to limit the options offered to parents. It is not surprising that increased confidence in the prognosis would yield a greater number of physicians willing to decide or act based upon that prognosis.

While a clear majority of responding neonatologists found a unilateral decision ethically permissible when survival was not felt to be possible, only half would actually choose to enact DNAR without parental approval. There are, for nearly all of us, things that we consider ethically permissible, but that we ourselves would not choose to do. With many ethical questions, there are commonly two separate thresholds: first, is it ethically permissible, and second (a higher threshold), would you do it. Put another way, there is often a lower threshold for what is permissible than for



what is advisable. This is also true for many medical decisions. A given option may be something one might find permissible for any physician to do, but not necessarily the therapeutic path he/she would choose to take. And so it might be with a unilateral DNAR order; for some of the respondents, it may have reached the lower threshold of permissibility, though they themselves would not do it, nor recommend it to a colleague.

The discrepancy between what some neonatologists consider acceptable, and what they would actually do, should also be considered in light of the professional climate in American medicine. It has been reported that physicians in the USA commonly initiate and continue treatment until it is virtually certain that the patient will die, taking a 'waiting for near certainty' approach to end of life.¹⁷ Comfort or familiarity with this approach, coupled with fear of medical uncertainty, and perhaps also fear of accusations of medical neglect and/or litigation, might further explain a physician's reluctance to enter a unilateral DNAR order into the medical record, even when he or she perceives that to do so would be acceptable. For some, it might amount to the conclusion that, "It would be ethically permissible to do it, but personally I would not take the risk."

The majority of respondents did not consider a unilateral DNAR decision based solely on poor neurological prognosis to be permissible, which was consistent with ethical arguments previously presented.¹ Determining that an infant's neurological prognosis and predicted quality of life are too poor to warrant CPR, without seeking parental agreement, requires giving precedence not only to the physician's medical judgement, but also to the physician's value judgements. It must be acknowledged that physicians' prognostications about the level of disability are sometimes wrong, and that quality of life assessments are subjective.^{18, 19} Thus, we share the intuition expressed by most neonatologists in this study, that a DNAR order without parental agreement, based solely on predicted neurological disability, would be inappropriate in nearly all cases. However, there may be extreme examples of neurological disability, not covered by these vignettes, for which a unilateral DNAR order would be considered acceptable to many neonatologists and others. Current debate regarding resuscitation for patients with Theomy 13 or 18 may, at least in part, be tied to this question.

Vignette 3 concerned a child who, due to a grim neurological prognosis from an incurable underlying disorder, had been judged ineligible for potentially life-saving cardiothoracic (CT) surgery. The intent with this case was to query the opinion of neonatologists regarding unilateral DNAR orders when other important treatment is being withheld. A majority of neonatologists (57%) believe a unilateral DNAR order would be permissible, though far fewer (37%) would enact such an order in this case. Interestingly, far more respondents felt the CT surgeon was justified in making a unilateral refusal regarding surgery, compared with those who felt it permissible for the neonatologist to make such a unilateral decision regarding resuscitation in this case (81% vs 57%).

The disconnect between what the respondents felt was permissible for the CT surgeon and neonatologist may be explained in part by the fact that the surgery is far more involved, requiring more time, effort and utilisation of resources, as well as being more invasive. Another possible factor is the more immediate result of the decision. While both refusals could eventually result in death, a death related to a refusal to operate may often be less immediate than the death that results from a refusal to perform CPR. There may also be very different perceptions regarding death associated with the surgery compared with attempted CPR, the former more likely to have negative

implications and/or consequences for the physician. Lastly, it may be, in the minds of some, that there is something fundamentally different, and more obligatory, about CPR compared with other treatments. This perceived difference could make CPR, for many, a notable exception to the widely held notion within the medical profession that a physician is not obligated to offer or attempt a treatment that cannot work. The ethical justification for that perceived exception, however, is not immediately obvious. This disconnect should be studied further, but acceptance of refusal by the neonatologist or the surgeon may ultimately both be rooted, at least in part, in the belief that the physician retains the moral authority to make some decisions about the purposes to which his or her skills can be put.²⁰

More experienced physicians were less likely than their less experienced peers to make a unilateral decision regarding resuscitation when survival was felt to be impossible, though a majority of them still considered it acceptable. This difference might be explained in part by having greater experience with, and appreciation for, the reality documented by Meadow *et al*, that physicians and others in the NICU are not particularly good at predicting which patients will die.¹⁸ Also, while this survey did not ask when the respondents began practising, some of the respondents in the >15 years in practice category may have been in medical school, residency or fellowship during times of landmark ethical cases in paediatrics. Perhaps being educated in the environment of the Baby Doe regulations, and the ethical upheaval that ensued, leads to a greater reluctance to make resuscitation decisions unilaterally.

This survey study has several limitations. The response rate of 16% is low, and thus these data may not accurately represent the views of most American neonatologists. There may have been a selection bias, in that those favouring one viewpoint or another might be more likely to respond to a survey such as this. It is also possible that neonatologists who are members of the American Academy of Pediatrics (AAP) perinatal section are not truly representative of the profession. While every attempt was made to make the vignettes as realistic as possible, they are very brief snapshots or what are often far more complicated situations, and thus run the risk of oversimplification. For clinical scenarios wherein the decision was already made for a unilateral DNAR order, respondents may have been subject to a status quo bias in decision making, thus going along with information/decision already presented.²¹ For many, a judgement regarding unilateral DNAR might be influenced by factors that were not discussed, such as parental preferences, religion and family situation.

CONCLUSION

Most neonatologists surveyed believed unilateral DNAR decisions made by physicians are ethically permissible when survival is felt by the physician to be unlikely, and an even greater majority believed it permissible when survival was felt to be impossible. However, most did not perceive unilateral DNAR orders as being permissible when based solely on poor prognosis regarding disability. This suggests that unilateral DNAR decisions, traditionally and currently sometimes made in the DR, are also sometimes being made in the NICU. Ethical justification for such decisions may be based on concern for unnecessary burden to the child, but often hinge on the degree of certainty regarding prognosis. The reluctance to unilaterally withhold potentially life-saving resuscitation, based solely on neurological prognosis, may be justified by an appreciation of the inherent subjectivity of value judgements regarding disability and quality of life. Whether the setting is poor prognosis for survival or poor neurological

Clinical ethics

prognosis, a significant number of neonatologists come down on each side of the question of unilateral DNAR.

Contributors: PDM: conceptualised and designed the study, drafted the initial manuscript and approved the final manuscript as submitted. DE: carried out the data analysis and approved the final manuscript as submitted. MRM: reviewed and revised the manuscript, and approved the final manuscript as submitted.

Competing interests: None declared.

Ethics approval: Institutional review board approval was granted by Yale University.

Provenance and peer review: Not commissioned; externally peer reviewed.

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In what circumstances will a neonatologist decide a patient is not a resuscitation candidate?

Peter Daniel Murray, Denise Esserman and Mark Randolph Mercurio

J Med Ethics published online March 17, 2016

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EXHIBIT I

DECLARATION OF ANGELA CLEMENTE

I, Angela Clemente, declare and state the following:

1. I am currently leading the coordination of the transfer of care for Israel Elijah Stinson's transfer from Roseville Kaiser Woman and Children's Center to a home setting that will be medically equipped for his specialized needs located in New Jersey.
2. I am a Forensic Intelligence Analyst/Congressional Consultant and Paralegal with twenty years experience in Pathology, Clinical Laboratory and Emergency Medicine. I have worked extensively on cases with severe brain injuries.
3. Since 2008 I have been the leading coordinator in the United States for this type of delicate and specialized transfer of care specifically handling the state to state transfers of adults and children with varying degrees of medical fragility to include a vast majority of our patient-clients who have been given the criteria of "brain death."
4. I became aware of and urgently requested to help with this case on Wednesday April 20, 2016 at around 12:30am and the following day I enlisted my team of highly skilled medical and legal experts.
5. We immediately put in place a Medical Life Flight on standby that is able to accommodate the intensive medical needs of Israel. The medical life flight can accommodate 1-2 family members, the patient and up to three medical professionals for his care. The flight includes ground transportation both from the releasing facility to the Medical Life Flight and then by ground ambulance to the receiving home for long term care.
6. Our team is also helping the family and their attorney in coordinating and implementing a long-term care plan that will help them in transitioning to New Jersey for their permanent residency. This comprehensive plan will include

providing Israel and his immediate family with consulting services that will help them to receive expedited medical benefits, certified and licensed medical staff that will be needed for this child's immediate care upon arrival, coordinating help with providing his in-home medical equipment, housing and transportation needs for the family and any additional social service type of programs needed for this family.

7. It is most imperative for this child's well being that the family not have any barriers for their child's current medical needs to transition into a smooth and coordinated release from Roseville Kaiser Woman's and Children's center.

8. The current time provided to me in coordinating this complex type of transfer (which I have handled throughout the United States for years) is severely compromised because of the extremely limited time barrier. This type of coordinated effort would require at minimum 7 to 10 business days and an effort on the releasing hospital's part for the medically appropriate procedures needed for transfer of care for this patient.

9. We are willing to assist this family with the full scope of our services and continue the coordinated effort but given our experience with our previous cases that have the "brain death" determination it is imperative that the family be provided appropriate time for our team to coordinate this as we would in all other cases of similarly complex nature.

I declare under penalty of perjury that the foregoing information is true and correct.
Executed this 27th day of April, 2016 under penalty of perjury pursuant to the laws of the State of California.

Angela Clemente

Angela Clemente

EXHIBIT J

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FILED
Superior Court of California
County of Placer

APR 27 2016 1049

Jake Chatters
Executive Officer & Clerk
By: K. Harding, Deputy

SUPERIOR COURT OF THE STATE OF CALIFORNIA
IN AND FOR THE COUNTY OF PLACER

ISRAEL STINSON by and through
JONEE FONSECA, his mother
Petitioner;
v.
UC DAVIS CHILDREN'S HOSPITAL;
KAISER PERMANENTE ROSEVILLE
MEDICAL CENTER-WOMEN AND
CHILDREN'S CENTER,
Respondent

Case No.: S-CV-0037673

ORDER AFTER HEARING

NEXT HEARING:

April 29, 2016
9:00 a.m.
Department 43

Petitioner and applicant Jonee Fonseca has applied for a temporary restraining order directed to Kaiser Permanent Roseville Medical Center— Women and Children's Center concerning medical care and intervention provided to her son Israel Stinson. TRO proceedings were previously heard April 14, 15 and 22, 2016.

A continued hearing was held April 27, 2016, in Department 43, the Hon. Michael W. Jones, presiding. Ms. Fonseca and Nathaniel Stinson, minor's father, appeared with Alexandra Snyder, Esq. Jason J. Curliano, Esq., and Drexwell M. Jones, Esq., appeared for Kaiser Foundation

1 Hospitals. At the court's request Roger Coffman, Esq., Senior Deputy
2 County Counsel for Placer County was also present, representing the Placer
3 County Public Guardian. Richard Robinson and Laura Moreno,
4 representatives of Kaiser, were also present.

5 Having considered the argument of and information provided through
6 counsel, including declarations and other writings offered by Ms. Fonseca
7 and Mr. Stinson, the court makes the orders which follow. These orders are
8 made to implement the Health and Safety Code section 1254.4 reasonably
9 brief period of accommodation for Israel's family.

10 It is ordered that:

11 (1) Jonee Fonseca and Nathaniel Stinson shall be afforded an
12 additional brief opportunity to transfer Israel Stinson to a medical facility
13 agreeable to the parties, which facility has agreed to admit Israel;

14 (2) Transportation of Israel to the facility referred to in preceding
15 paragraph (1) shall be by Air Care 1 or another transportation service
16 agreeable to the parties;

17 (3) Kaiser will cooperate with and facilitate Israel's transfer and will
18 take necessary steps, in the ordinary course, to prepare Israel for transport,
19 and will transfer care and support of Israel to Air Care 1 or another
20 transportation service agreeable to the parties;

21 (4) Israel's attending physician at Kaiser Roseville will communicate
22 with Air Care 1 or another transportation service agreeable to the parties to
23 assure they have proper staffing and equipment to transfer Israel;

24 (5) Israel's attending physician at Kaiser Roseville will communicate
25 with the admitting physician at the facility referred to above in paragraph
26 (1) to facilitate continuous care and to assure the admitting facility is
27 prepared to receive Israel;

28 (6) The restraining order currently in place, which requires that

29 (a) Kaiser shall continue to provide cardio-pulmonary support

1 to Israel Stinson as is currently being provided;

2 (b) Kaiser shall provide medications currently administered to
3 Israel; however, physicians or attending staff may adjust medications
4 to the extent possible to maintain Israel's stability, given his present
5 condition;

6 (c) Kaiser shall continue to provide nutrition to Israel in the
7 manner currently provided to the extent possible to maintain Israel's
8 stability, given his present condition;

9 shall continue in effect until and shall automatically dissolve upon the earlier
10 of:

11 (a) Israel's discharge from Kaiser Permanente Hospital in
12 Roseville; for this purpose, *discharge* means Israel's physical exit
13 from the hospital; or

14 (b) Friday, April 29, 2016, 9:00 a.m.

15 Kaiser's legal responsibility for Israel's care and treatment will cease when
16 the restraining order dissolves.

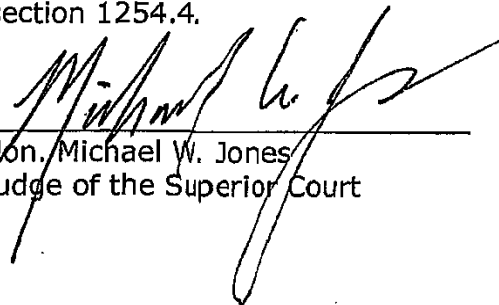
17 (7) This matter is set for further proceedings April 29, 2016, 9:00
18 a.m., in Department 43.

19 If the restraining order has dissolved pursuant to paragraph (6),
20 *supra*, the court intends to dismiss this action. The parties have stipulated
21 that the court will thereafter have no jurisdiction over minor, petitioner or
22 respondents under this proceeding.

23 The court finds that this order provides the reasonably brief period of
24 time under Health and Safety Code section 1254.4.

25 IT IS SO ORDERED.

26 DATED: April 27, 2016



Hon. Michael W. Jones
Judge of the Superior Court

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EXHIBIT K

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SUPERIOR COURT OF THE STATE OF CALIFORNIA
IN AND FOR THE COUNTY OF PLACER

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DEPARTMENT NO. 43
HON. MICHAEL W. JONES,
JUDGE

JONEE FONSECA, his mother,

Petitioner,

ISRAEL STINSON by and
through)

) versus
) Case No.

UC DAVIS CHILDREN'S MEDICAL

ROSEVILLE MEDICAL CENTER-WOMEN

) S-CV-0037673
)
HOSPITAL; KAISER
PERMANENTE)
)
AND CHILDREN'S CENTER,
)
)

Respondent.)

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REPORTER'S TRANSCRIPT

FRIDAY, APRIL 29, 2016

PETITION HEARING

---oOo---18

APPEARANCES:

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FOR THE PETITIONER: LIFE
LEGAL DEFENSE FOUNDATION
BY: ALEXANDRA M. SNYDER, ESQ.
P.O. Box 2015
Napa, California 94558

FOR THE RESPONDENT:
BUTY & CURLIANO LLP
BY: JASON J. CURLIANO,
ESQ.
and
MADELINE L. BUTY, ESQ.
516 16th Street
Oakland, California 94512

REPORTED BY: MARY R. GALLAGHER, CSR #10749
ROSEVILLE, CALIFORNIA

FRIDAY, APRIL 29, 2016, 9:10 A.M.
DEPARTMENT 43, HONORABLE MICHAEL W. JONES, Presiding

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The matter of ISRAEL STINSON by and through JONEE
FONSECA, his mother, Petitioner, versus UC DAVIS
CHILDREN'S MEDICAL HOSPITAL; KAISER PERMANENTE
ROSEVILLE 8 MEDICAL CENTER-WOMEN AND CHILDREN'S
CENTER, Respondent,

case number S-CV-0037673, came regularly this day before

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the Honorable MICHAEL W. JONES, Judge of the Superior 11
Court of the State of California, in and for the County of
12 Placer, Department Number 43 thereof.

The Petitioner was represented by ALEXANDRA M.
SNYDER, Life Legal Defense Foundation, acting as
her
Counsel.

The Respondent was represented by JASON J.
CURLIANO
and MADELINE L. BUTY, Buty & Curliano LLP, acting
as its 18 Counsel.

The following proceedings were
had, to wit:

---oOo---

THE COURT: All right. Good
morning, folks.22 Mr. Curliano
is present on behalf Kaiser. And
Mr. Jones 23 isn't present, but
we have someone else.

MS. BUTY: Good morning, your Honor. Madeline

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Buty.

THE COURT: And last name spelled?

MS. BUTY: B-u-t-y.

THE COURT: Thank you, Ms. Buty. And good morning to each of you.

MS. BUTY: Good morning.

MR. CURLIANO: Good morning, your Honor.

THE COURT: All right, folks. We are here under the restraining order that was to dissolve today. I understand you folks have gone to another court seeking some intervention with another court. So where do we stand with respect to this Court and these proceedings now, Ms. Snyder?

MS. SNYDER: Well, it was our understanding that the order would dissolve today. And we -- we have a hospital that is currently assessing Israel's situation. And we'll have the conclusion of that assessment we're hoping tomorrow or Sunday. They are working through the

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weekend to make that assessment. As you know we've worked very hard and continue to work very hard to have Israel transferred to another facility.

Ultimately, his parents would like him in-home care. I know that sounds unbelievable given his situation, but it is very common for patients that are in

Israel's condition to be transferred to home care, so that

they're not in ICU. They are -- have a feeding tube, a

breathing tube and then they are monitored by a nurse who

supervises and then by a medical team who does intervention as necessary.

THE COURT: Are you representing whether any of those individuals are persons who were transferred from a state where a determination of brain death was made and

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after the determination of brain death that there was an order from the court that ordered a gastrointestinal tube and air intubation?

MS. SNYDER: No. Fortunately, there are not that many cases --

THE COURT: I understand.

MS. SNYDER: -- like this. So the most -- the one that's most analogous would be the case of Jahi McMath and

that's really a case of first impression in this state, I

believe -- but not in this court, of course. And in that

case Jahi had to be transferred to another hospital in

order to have those procedures, but she is now at home

in-home care and the type of care that I described.

THE COURT: Understand.

MS. SNYDER: But you're correct, the hospital did not perform those procedures.

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THE COURT: Nor did Judge Grillo order that.¹⁸
MS. SNYDER: That is accurate. And I do
understand

that and I understand your position, your Honor, I do.
And we've been really pleading with the hospital to do ²¹
this. But the hospital that we are working with right now
²² is -- like I said, they're assessing Israel's case.

They would do those procedures in that hospital
and
then put him on a step-down plan to home care if
they do
receive him. They do have to do -- it is not a
decision
that they can make lightly and, certainly, it's
not a decision that one person can make.

So they're meeting with their ethics committee
today and tomorrow as I mentioned and then with a group of
physicians that would be responsible for Israel's care at
that point.

THE COURT: All right.

MS. SNYDER: I don't know -- I mean if there's

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anything at all that we can do to facilitate -- we told

the other hospital the parents are willing to waive the

liability in that case. And that they're willing to do

anything and -- and I will say I did go to see the parents

last night. And they -- I -- when I go in I see Israel 11 and I usually say, "Hi, Israel," you know.

And last night I went to his bedside. I did not touch him, but I said, "Hi, Israel," and he turned his head and moved toward me. Now, I understand the doctors will describe that as a brain stem -- not a brain stem, a spinal cord reflex.

First of all, I don't know how they're distinguishing between the spinal cord and the brain stem.

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The California law says there has to complete cessation of 20 function in all parts of brain, including the brain stem.

And if the spinal cord is able to generate a reflex and response to stimulus, then, maybe, we don't know enough about the spinal cord to make these determinations.

And I do understand that that is not your role, your Honor, but there are indications that this boy is

made profoundly disabled, but not dead. And that is, obviously, such a significant distinction.

And if there is any indication that he is disabled versus dead, I just think we need to error on the side of even a disability, as profound as it may be --

THE COURT: I understand, and I don't mean to cut you off --

MS. SNYDER: That's okay.

THE COURT: -- Let me finish. I want you to, in that context, I want you to address what determination,

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because I know this Court has -- even before the Court

became involved, there was the opportunity for a period of

time. And since this Court has been involved for there to

be an evaluation by a physician of their own choosing -12 MS. SNYDER: Yes.

THE COURT: -- of Petitioner. And my understanding is that has not taken place.

MS. SNYDER: No. We, actually, had two physicians.

We had a neurologist, who was not able to come up. And

then we had a cardiologist. And I realize that the 18 hospital would like us to have a

neurologist. And we 19 would, certainly, like to have a neurologist.

But at that point we had a neurologist who had indicated -- and I don't have the e-mail with me, but I do

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have the e-mail to that effect, that he would come out, 23 that was this Tuesday, to perform an examination. He

texted me on -- I believe it was either Sunday night or Monday and said he was not able to make it. I don't know why, he did not provide a reason why. So it's not for lack of trying or even commitment. And once we got that commitment, we focused our efforts elsewhere.

THE COURT: Right. Understanding.

MS. SNYDER: And we're, certainly, more than willing to revisit the possibility of having a neurologist or another physician exam Israel again.

THE COURT: I understand. And, please, don't misunderstand me. I'm simply trying to confirm what I believe the state of events is, that there's been this period of time that I have indicated -- and I'm just confirming that during that period of time and up to right

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now as we sit here and speak, there is and has not been

any arrangements for any independent determination on

behalf of the Petitioner?

MS. SNYDER: That is -- there's been an arrangement

on our end, but not an arrangement that was fulfilled --

THE COURT: Right.

MS. SNYDER: -- and that, actually, brought somebody into the hospital, that is correct, outside of 18 Dr. Byrne who is an out-of-state neonatologist and who's declaration we submitted last week.

THE COURT: Thank you.

MS. SNYDER: Thank you.

THE COURT: And next is the determination would be termination of this Court already made at the last proceedings in terms of compliance with 7180. I've not

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seen anything further presented to demonstrate that the

determinations made by the two independent physicians at

Kaiser.

And I understand each of your positions as to UC Davis. And I hope you understand this Court's focusing on the two independent physicians at Kaiser. I've not seen anything, a declaration or anything that demonstrates that those were done anything in anything other than a medically accepted matter.

MS. SNYDER: Yes. And I don't know if you're familiar, but in the State of Nevada there was another unfortunate case involving a 20-year old college student who was also declared brain dead. And in that case the Supreme Court of Nevada in a ruling of seven to zero found 11 issue with the accepted medical standards themselves.

That those standards that are, essentially, the

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guidelines put forth by the American Academy of
Neurology

are possibly not sufficient to determine brain
death with

absolute certainty. And even the American Academy
of

Neurology has issued its own -- they had

questions. They 17 revised the standards in the
-- the guidelines in 2010.

There are still questions with regard to the apnea
test, the safety of the apnea test that the
American

Academy of Neurology, itself, raises. So -- and I
do

understand your position --

THE COURT: Yes.

MS. SNYDER: -- I know it's what the law says. I
do.

THE COURT: And remember, I'm familiar with many
aspects of this case. In my prior --

MS. SNYDER: And I appreciate that, your Honor.

THE COURT: -- as a litigator in this particular

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area in traumatic brain injury cases. Again, with respect to the law in this case and what has happened here, that's what I need to focus on. And I've not seen anything attacking the Kaiser determination. Thus, the Court

provided the -- what the Court interpreted to be a reasonable period of time under 1254.4 to extend to today. MS. SNYDER: Uh-huh.

THE COURT: And I'm not hearing anything else with respect to that aspect now.

MS. SNYDER: Uh-huh. As I said I -- we do have -- we on do have this confirmation from the hospital. Our main focus right now and -- I mean we don't have a team of litigators. And I don't even have a paralegal. And that's not the business of this Court, I understand that. But our efforts really have been focused on getting

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Israel released to another facility as much as I would like to look into the law and looking into all of the 18 issues that I mentioned, and even that you mentioned, 19 whether every step was truly followed. You know, I mean we do have questions. And I'm trying to, you know, again, work with physicians as I have time, but to look at the transmitral doppler that was done 23 by UC Davis that showed, "a near absence of blood flow to the brain, but not a complete absence of blood flow to the brain." And the other thing that I want to mention, your Honor, is that we don't know exactly what happened at UC Davis. And that is something that I will not take up, but the parents may take up in another matter. And -

THE COURT: Which to could be clear -- which I think

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it's clear, which is why I am discounting, if you will, if that's the proper terminology of the UC Davis determination --

MS. SNYDER: Absolutely.

THE COURT: -- and solely for my purposes relying on the two independent examinations at Kaiser.

MS. SNYDER: Right, but they're -- and I understand this doesn't have anything to do with Kaiser. And we're

not in any way saying that it does, just to be clear. But

there are questions as to what happened. And -- and -- when you look at recovery in those situations, you know, I

mean there is a difference between what happens when a patient is dead and what happens when a patient is alive and living in some way.

So -- and so those questions remain to be answered.

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And, certainly, I'm not going to answer those questions, 19 but that could be for another matter. And there's -- I would say even evidence inherent in this little boy that -- and I don't want to talk about him in terms of evidence, but you know --

THE COURT: In terms of these proceedings in this case --

MS. SNYDER: Uh-huh.

THE COURT: -- again, confirming, I understand there's been an order that was signed by Judge Nunley that puts into place, in essence -- I don't want to call it an extension of these proceedings, but a new proceeding that has a temporary restraining order in place?

MS. SNYDER: Yes.

THE COURT: All right. With an interesting twist and caveat in his order that wasn't contained in my order, be it as it may. Anything further, Ms. Snyder?

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MS. SNYDER: No, your Honor. And I do want to thank you. I know this has been extremely difficult. It's difficult for everybody. We appreciate even the hospital's position, we're -- thank God, that these are very rare cases, but we appreciate your -- just your attention to this matter and to this family. So thank you very much.

THE COURT: Notwithstanding the rarity of these issues. And as you say, "fortunately," they are rare. Nevertheless, the rarity of those, have consequence. And I understand, Ms. Fonseca, and, Mr. Stinson, rare as it may be, makes no difference in your minds. It's very real. And I understand and I appreciate that.

MS. SNYDER: And I don't know if Ms. Fonseca or Mr. Stinson have anything to add at this point.

THE FATHER: I just want to say thank you. Thank you, your Honor, for what you did so far. Thank you so much.

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THE COURT: Mr. Curliano, or, Ms. Buty?

MR. CURLIANO: Just briefly, your Honor. And I can certainly respond if the Court is inclined to have

Kaiser -- with respect to the statements made by Ms. Snyder, advocacy aside, your Honor, we've both within the bounds of the law which permits us to do. Focusing back on this case, what we have here we have an undisputed 5 record, with testimony by Dr. Myette, that is the only

evidence that was provided to the Court.

Petitioners have been given an ample opportunity, I believe, to locate and have someone testify. And I think

at face value, that's a difficult thing for them do. I

can also represent that since the TRO has been granted,

Kaiser has been ready, willing and able to accept a formal

request to have privileges granted to the appropriate

physician to examine and look at Israel. And I think

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counsel has confirmed that by what she said. That has never occurred. We've never been asked to do that. So it's not a case where Kaiser may have disagreed with the type of physician or the type of examination.

The request simply hasn't been made. So I go back to what Dr. Myette had to say. I can represent to the Court, as I have before, I speak with Dr. Myette on a daily basis many times, nothing has changed in terms of an improvement. And Israel's condition, separate and apart from what may have been noticed by a layperson, perhaps, or may have been on a video.

And unless the Court has any questions specific to this -- and the Court is aware of the order. I was going to bring that to the Court's attention, but it sounds like, your Honor, has a copy of it from the Eastern

District. I would like to thank the Court for the time dealing with what are very tough issues, obviously.

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THE COURT: Thank you. Anything further on behalf of the
Petitioner?

THE MOTHER: No.

MS. SNYDER: No, your Honor. Thank you.

THE COURT: All right. For the reasons that are
stated throughout the entire record of these
events and

this particular case, it is a -- I can't even put
words,

you can say, "sad, tragic," you can put any
adjustive you

wish to with respect to the type of case, but
words can

never describe it.

And I think you folks realize that the law

requires, as I'm obliged when I took an oath to
follow the

law. And the law of the State of California under
7180

and 7181, as I've indicated based upon the record
before

this Court, has been met and complied with
including that

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safety valve, if you will, of 7180 in particular,
1254.4 19 was recognized by this Court at the
last proceeding.

And the Court determined the reasonableness or
standard and period of time to which there has
been no

further comment or evidence presented to dispute
what the

Court has determined. And as of this time the
temporary

restraining order will dissolve as indicated
within that

order itself. And the petition is hereby
dismissed with

recognition that there is the order for the
Federal Court that is in place. Okay. Thank you
folks. MR. CURLIANO: Thank you, your
Honor.

THE MOTHER: Thank you, your Honor.

THE FATHER: Thank you, your Honor.

MS. SNYDER: Thank you, your Honor.

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(The proceedings concluded at 9:34 a.m.)

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the State of California, do hereby certify that
the
foregoing pages 1 through 16, inclusive, comprises
a true
and correct transcript of the proceedings had in
the
above-entitled matter held on April 29, 2016.
I also certify that portions of the transcript are
governed by the provisions of CCP 237(a)(2) and
that all
personal juror identifying information has been
redacted.
IN WITNESS WHEREOF, I have subscribed this
certificate at Roseville, California, this 29th
day of 25 April, 2016.

MARY R. GALLAGHER, CSR #10749

EXHIBIT L

CLINICAL GUIDELINES

Guidelines for the Determination of Brain Death in Infants and Children: An Update of the 1987 Task Force Recommendations—Executive Summary

Thomas A. Nakagawa, MD, FAAP, FCCM,^{1,2} Stephen Ashwal, MD,^{3,4}

Mudit Mathur, MD, FAAP,^{1,2} Mohan Mysore, MD, FAAP, FCCM,^{1,2}

and the Committee for Determination of Brain Death in Infants Children¹

Objective: To review and revise the 1987 pediatric brain death guidelines.

Methods: Relevant literature was reviewed. Recommendations were developed using the GRADE (Grading of Recommendations Assessment, Development, and Evaluation) system.

Conclusions and Recommendations: (1) Determination of brain death in term newborns, infants, and children is a clinical diagnosis based on the absence of neurologic function with a known irreversible cause of coma. Because of insufficient data in the literature, recommendations for preterm infants <37 weeks gestational age are not included in these guidelines. (2) Hypotension, hypothermia, and metabolic disturbances should be treated and corrected, and medications that can interfere with the neurologic examination and apnea testing should be discontinued allowing for adequate clearance before proceeding with these evaluations. (3) Two examinations including apnea testing with each examination separated by an observation period are required. Examinations should be performed by different attending physicians. Apnea testing may be performed by the same physician. An observation period of 24 hours for term newborns (37 weeks gestational age) to 30 days of age and 12 hours for infants and children (>30 days to 18 years) is recommended. The first examination determines the child has met the accepted neurologic examination criteria for brain death. The second examination confirms brain death based on an unchanged and irreversible condition. Assessment of neurologic function after cardiopulmonary resuscitation or other severe acute brain injuries should be deferred for 24 hours or longer if there are concerns or inconsistencies in the examination. (4) Apnea testing to support the diagnosis of brain death must be performed safely and requires documentation of an arterial PaCO₂ 20mmHg above the baseline and ≥60mmHg with no respiratory effort during the testing period. If the apnea test cannot be safely completed, an ancillary study should be performed. (5) Ancillary studies (electroencephalogram and radionuclide cerebral blood flow) are not required to establish brain death and are not a substitute for the neurologic examination. Ancillary studies may be used to assist the clinician in making the diagnosis of brain death (a) when components of the examination or apnea testing cannot be completed safely due to the underlying medical condition of the patient; (b) if there is uncertainty about the results of the neurologic examination; (c) if a medication effect may be present; or (d) to reduce the interexamination observation period. When ancillary studies are used, a second clinical examination and apnea test should be performed, and components that can be completed must remain consistent with brain death. In this instance, the observation interval may be shortened, and the second neurologic examination and apnea test (or all components that are able to be completed safely) can be performed at any time thereafter. (6) Death is declared when these above criteria are fulfilled.

ANN NEUROL 2012;71:573-585

The Pediatric Section of the Society of Critical Care Medicine and the Section on Critical Care of the American Academy of Pediatrics, in conjunction with the Child

Neurology Society, formed a multidisciplinary committee of medical and surgical subspecialists under the auspices of the American College of Critical Care Medicine to review and

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See the Appendix on page 584.

From the ¹Pediatric Section of the Society of Critical Care Medicine, Mount Prospect, IL; ²Section on Critical Care Medicine of the American Academy of Pediatrics, Elk Grove Village, IL; ³Section on Neurology of the American Academy of Pediatrics, Elk Grove Village, IL; ⁴Child Neurology Society, St. Paul, MN.

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ANNALS of Neurology

revise the 1987 guidelines. Its purpose was to review the neonatal and pediatric literature from 1987, including any prior relevant literature, and update recommendations regarding appropriate examination criteria and use of ancillary testing to diagnose brain death in neonates, infants, and children. The committee was also charged with developing a checklist to provide guidance and standardization to determine and document brain death. Uniformity in the determination of brain death should allow physicians to pronounce brain death in pediatric patients in a more precise and orderly manner and ensure that all components of the examination are performed and appropriately documented. The committee believes these revised diagnostic guidelines (Table 1) and a standardized checklist form (Table 2) will assist physicians in determining and documenting brain death in children. This should ensure broader acceptance and utilization of such uniform criteria.

This update affirms the definition of death as stated in the 1987 pediatric guidelines established by multiple organizations as follows: "An individual who has sustained either (1) irreversible cessation of circulatory and respiratory functions, or (2) irreversible cessation of all functions of the entire brain, including the brainstem, is dead. A determination of death must be made in accordance with accepted medical standards."¹

The committee recognizes that medical judgment of involved pediatric specialists will direct the appropriate course for the medical evaluation and diagnosis of brain death. The committee also recognizes that no national brain death law exists. State statutes and policy may restrict determination of brain death in certain circumstances. Physicians should become familiar with laws and policies in their respective institution. The committee also recognizes that variability exists for the age designation of pediatric trauma patients. In some states, the age of the pediatric trauma patient is defined as <14 years of age. Trauma and intensive care practitioners are encouraged to follow state/local regulations governing the specified age of pediatric trauma patients.

The following is an executive summary of the recommendations produced from this committee. The full report is available in *Critical Care Medicine and Pediatrics*.^(2,3) The committee believes these guidelines to be an important step in protecting the health and safety of all infants and children. These revised clinical guidelines and accompanying checklist are intended to provide an updated framework to promote standardization of the neurologic exam and use of ancillary studies based on the evidence available to the committee at the time of publication.

Recommendations**Term Newborns (37 Weeks Gestational Age) to Children 18 Years of Age**

DEFINITION OF BRAIN DEATH AND COMPONENTS OF THE CLINICAL EXAMINATION. Brain death is a clinical diagnosis based on the absence of neurologic function with a known diagnosis that has resulted in irreversible coma. Coma and apnea must coexist to diagnose brain death. A complete neurologic examination that includes the elements outlined in Table 3 is mandatory to determine brain death; all components must be appropriately documented. An algorithm to diagnose brain death in infants and children is provided in the Figure.

PREREQUISITES FOR INITIATING A CLINICAL BRAIN DEATH EVALUATION. Determination of brain death by neurologic examination should be performed in the setting of normal age-appropriate physiologic parameters. Factors potentially influencing the neurologic examination that must be corrected prior to examination and apnea testing include:

- Shock or persistent hypotension. Systolic blood pressure or mean arterial pressure should be in an acceptable range (systolic blood pressure not less than 2 standard deviations below age appropriate norm) based on age. Placement of an indwelling arterial catheter is recommended to ensure that blood pressure remains within a normal range during the process of diagnosing brain death and to accurately measure PaCO₂ levels during apnea testing.
- Hypothermia. Hypothermia is known to depress central nervous system function⁴⁻⁶ and may lead to a false diagnosis of brain death. Hypothermia may alter metabolism and clearance of medications that can interfere with brain death testing. Efforts to adequately rewarm before performing any neurologic examination and maintain temperature during the observation period are essential. A core body temperature of >35°C (95°F) should be achieved and maintained during examination and testing to determine death.
- Severe metabolic disturbances. Severe metabolic disturbances can cause reversible coma and interfere with the clinical evaluation to determine brain death. Reversible conditions such as severe electrolyte imbalances, hyper- or hypoglycemia, severe pH disturbances, severe hepatic or renal dysfunction, or inborn errors of metabolism may cause coma in a neonate, infant, or child.^{5,6} These conditions should be identified and treated before evaluation for brain death, especially in situations where the clinical history does not provide a reasonable explanation for the neurologic status of the child.

Recommendation	Evidence Score	Recommendation Score
1. Determination of brain death in neonates, infants, and children relies on a clinical diagnosis that is based on the absence of neurologic function with a known irreversible cause of coma. Coma and apnea must coexist to diagnose brain death. This diagnosis should be made by physicians who have evaluated the history and completed the neurologic examinations.	High	Strong
2. Prerequisites for initiating a brain death evaluation:		
A. Hypotension, hypothermia, and metabolic disturbances that could affect the neurological examination must be corrected prior to examination for brain death.	High	Strong
B. Sedatives, analgesics, neuromuscular blockers, and anticonvulsant agents should be discontinued for a reasonable time period based on elimination half-life of the pharmacologic agent to ensure they do not affect the neurologic examination. Knowledge of the total amount of each agent (mg/kg) administered since hospital admission may provide useful information concerning the risk of continued medication effects. Blood or plasma levels to confirm that high or supratherapeutic levels of anticonvulsants with sedative effects are not present should be obtained (if available) and repeated as needed or until the levels are in the low to mid therapeutic range.	Moderate	Strong
C. The diagnosis of brain death based on neurologic examination alone should not be made if supratherapeutic or high therapeutic levels of sedative agents are present. When levels are in the low or mid therapeutic range, medication effects sufficient to affect the results of the neurologic examination are unlikely. If uncertainty remains, an ancillary study should be performed.	Moderate	Strong
D. Assessment of neurologic function may be unreliable immediately following cardiopulmonary resuscitation or other severe acute brain injuries, and evaluation for brain death should be deferred for 24 to 48 hours or longer if there are concerns or inconsistencies in the examination.	Moderate	Strong
3. Number of examinations, examiners, and observation periods:		
A. Two examinations including apnea testing with each examination separated by an observation period are required.	Moderate	Strong
B. The examinations should be performed by different attending physicians involved in the care of the child. The apnea test may be performed by the same physician, preferably the attending physician who is managing ventilator care of the child.	Low	Strong
C. Recommended observation periods:	Moderate	Strong
a. 24 hours for neonates (37 weeks gestation to term infants 30 days of age).		
b. 12 hours for infants and children (>30 days to 18 years).		
D. The first examination determines the child has met neurologic examination criteria for brain death. The second examination, performed by a different attending physician, confirms that the child has fulfilled criteria for brain death.	Moderate	Strong
E. Assessment of neurologic function may be unreliable immediately following cardiopulmonary resuscitation or other severe acute brain injuries, and evaluation for brain death should be deferred for 24 to 48 hours or longer if there are concerns or inconsistencies in the examination.	Moderate	Strong

TABLE 1 (Continued)		
Recommendation	Evidence Score	Recommendation Score
4. Apnea testing:		
A. Apnea testing must be performed safely and requires documentation of an arterial PaCO ₂ 20mmHg above the baseline PaCO ₂ and ≥60mmHg with no respiratory effort during the testing period to support the diagnosis of brain death. Some infants and children with chronic respiratory disease or insufficiency may only be responsive to supranormal PaCO ₂ levels. In this instance, the PaCO ₂ level should increase to ≥20mmHg above the baseline PaCO ₂ level.	Moderate	Strong
B. If the apnea test cannot be performed due to a medical contraindication or cannot be completed because of hemodynamic instability, desaturation to <85%, or an inability to reach a PaCO ₂ of ≥60mmHg, an ancillary study should be performed.	Moderate	Strong
5. Ancillary studies:		
A. Ancillary studies (EEG and radionuclide CBF) are not required to establish brain death unless the clinical examination or apnea test cannot be completed.	Moderate	Strong
B. Ancillary studies are not a substitute for the neurologic examination.	Moderate	Strong
C. For all age groups, ancillary studies can be used to assist the clinician in making the diagnosis of brain death to reduce the observation period or (i) when components of the examination or apnea testing cannot be completed safely due to the underlying medical condition of the patient; (ii) if there is uncertainty about the results of the neurologic examination; or (iii) if a medication effect may interfere with evaluation of the patient. If the ancillary study supports the diagnosis, the second examination and apnea testing can then be performed. When an ancillary study is used to reduce the observation period, all aspects of the examination and apnea testing should be completed and documented.	Moderate	Strong
D. When an ancillary study is used because there are inherent examination limitations (ie, i to iii in 5C above), then components of the examination done initially should be completed and documented.	High	Strong
E. If the ancillary study is equivocal or if there is concern about the validity of the ancillary study, the patient cannot be pronounced dead. The patient should continue to be observed until brain death can be declared on clinical examination criteria and apnea testing, or a follow-up ancillary study can be performed to assist with the determination of brain death. A waiting period of 24 hours is recommended before further clinical reevaluation or repeat ancillary study is performed. Supportive patient care should continue during this time period.	Moderate	Strong
6. Declaration of death:		
A. Death is declared after confirmation and completion of the second clinical examination and apnea test.	High	Strong
B. When ancillary studies are used, documentation of components from the second clinical examination that can be completed must remain consistent with brain death. All aspects of the clinical examination, including the apnea test, or ancillary studies must be appropriately documented.	High	Strong
C. The clinical examination should be carried out by experienced clinicians who are familiar with infants and children, and have specific training in neurocritical care.	High	Strong
<p>GRADE (Grading of Recommendations Assessment, Development, and Evaluation), a recently developed standardized methodological consensus-based approach, was used to evaluate the evidence and make recommendations for this guideline. The Evidence Score is based on the strength of the evidence available at the time of publication. The Recommendation Score is the strength of the recommendations based on available evidence at the time of publication. Please see full publication for scoring guidelines listed in Table 1.</p> <p>CBF = cerebral blood flow; EEG = electroencephalography.</p>		

TABLE 2: Checklist for Documentation of Brain Death

Brain Death Examination for Infants and Children^a

Age of Patient	Timing of First Examination	Interexamination Interval
Term newborn 37 weeks gestational age and up to 30 days old	<input type="checkbox"/> First examination may be performed 24 hours after birth OR following cardiopulmonary resuscitation or other severe brain injury	<input type="checkbox"/> At least 24 hours <input type="checkbox"/> Interval shortened because ancillary study (Section 4) is consistent with brain death
31 days to 18 years old	<input type="checkbox"/> First examination may be performed 24 hours following cardiopulmonary resuscitation or other severe brain injury	<input type="checkbox"/> At least 12 hours OR <input type="checkbox"/> Interval shortened because ancillary study (Section 4) is consistent with brain death

Section 1. Prerequisites for Brain Death Examination and Apnea Test

A. Irreversible and Identifiable Cause of Coma (please check)

Traumatic brain injury
 Anoxic brain injury
 Known metabolic disorder
 Other (specify) _____

B. Correction of Contributing Factors That Can Interfere with the Neurologic Examination

	Examination 1		Examination 2	
a. Core body temperature is >95°F (35°C)	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> Yes	<input type="checkbox"/> No
b. Systolic blood pressure or MAP in acceptable range (Systolic BP not less than 2 standard deviations below age-appropriate norm) based on age	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> Yes	<input type="checkbox"/> No
c. Sedative/analgesic drug effect excluded as a contributing factor	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> Yes	<input type="checkbox"/> No
d. Metabolic intoxication excluded as a contributing factor	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> Yes	<input type="checkbox"/> No
e. Neuromuscular blockade excluded as a contributing factor	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> Yes	<input type="checkbox"/> No

If ALL prerequisites are marked YES, then proceed to section 2, OR
 _____ confounding variable was present. Ancillary study was therefore performed to document brain death (Section 4).

Section 2. Physical Examination (please check); Note: Spinal Cord Reflexes Are Acceptable

	Examination 1, Date/Time: _____		Examination 2, Date/Time: _____	
a. Flaccid tone, patient unresponsive to deep painful stimuli	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> Yes	<input type="checkbox"/> No
b. Pupils are midposition or fully dilated and light reflexes are absent	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> Yes	<input type="checkbox"/> No

TABLE 2 (Continued)

Section 2. Physical Examination (please check); Note: Spinal Cord Reflexes Are Acceptable

	Examination 1, Date/Time: _____		Examination 2, Date/Time: _____	
c. Corneal, cough, gag reflexes are absent	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> Yes	<input type="checkbox"/> No
d. Sucking and rooting reflexes are absent (in neonates and infants)	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> Yes	<input type="checkbox"/> No
e. Oculovestibular reflexes are absent	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> Yes	<input type="checkbox"/> No
f. Spontaneous respiratory effort while on mechanical ventilation is absent	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> Yes	<input type="checkbox"/> No

The _____ (specify) element of the examination could not be performed because _____.

Ancillary study (EEG or radionuclide CBF) was therefore performed to document brain death (Section 4).

Section 3. Apnea Test

	Examination 1, Date/ Time _____	Examination 2, Date/ Time _____
No spontaneous respiratory efforts were observed despite final PaCO ₂ ≥60mmHg and a ≥20mmHg increase above baseline (Examination 1). No spontaneous respiratory efforts were observed despite final PaCO ₂ ≥60mmHg and a ≥20mmHg increase above baseline (Examination 2).	Pretest PaCO ₂ : _____ Apnea duration: _____ min Post-test PaCO ₂ : _____	Pretest PaCO ₂ : _____ Apnea duration: _____ min Post-test PaCO ₂ : _____

Apnea test is contraindicated or could not be performed to completion because _____.

Ancillary study (EEG or radionuclide CBF) was therefore performed to document brain death (Section 4).

Section 4. Ancillary Testing

Ancillary testing is required (1) when any components of the examination or apnea testing cannot be completed; (2) if there is uncertainty about the results of the neurologic examination; or (3) if a medication effect may be present. Ancillary testing can be performed to reduce the interexamination period; however, a second neurologic examination is required. Components of the neurologic examination that can be performed safely should be completed in close proximity to the ancillary test.

EEG report documents electrocerebral silence OR Yes No

CBF study report documents no cerebral perfusion Yes No

Section 5. Signatures

Examiner 1

I certify that my examination is consistent with cessation of function of the brain and brainstem. Confirmatory examination to follow.

Printed name _____

Signature _____

Specialty _____

Pager #/license # _____

Date mm/dd/yyyy _____

Time _____

TABLE 2 (Continued)	
Section 5. Signatures	
Examiner 2	
I certify that my examination <input type="checkbox"/> and/or ancillary test report <input type="checkbox"/> confirms unchanged and irreversible cessation of function of the brain and brainstem. The patient is declared brain dead at this time.	
Date/time of death	_____
Printed name	_____
Signature	_____
Specialty	_____
Pager #/license #	_____
Date mm/dd/yyyy	_____
Time	_____
*Two physicians must perform independent examinations separated by specified intervals. BP = blood pressure; CBF = cerebral blood flow; EEG = electroencephalography; MAP = mean arterial pressure.	

- Drug intoxications including barbiturates, opioids, sedatives, intravenous and inhalational anesthetics, antiepileptic agents, and alcohols can cause severe central nervous system depression and may alter the clinical examination to the point where they can mimic brain death.^{3,4} Testing for these drugs should be performed if there is concern regarding recent ingestion or administration. When available, specific serum levels of medications with sedative properties or side effects should be obtained and documented to be in a low to mid therapeutic range before neurologic examination for brain death testing. Adequate clearance (based on the age of the child, presence of organ dysfunction, total amount of medication administered, elimination half-life of the drug, and any active metabolites) should be allowed prior to the neurologic examination. In some instances, this may require waiting several half-lives and rechecking serum levels of the medication before conducting the brain death examination. If neuromuscular-blocking agents have been used, they should be stopped, and adequate clearance of these agents should be confirmed by use of a nerve stimulator with documentation of neuromuscular junction activity and twitch response. Unusual causes of coma such as neurotoxins and chemical exposure (ie, organophosphates and carbamates) should be considered in rare cases where an etiology for coma has not been established.

Assessment of neurologic function may be unreliable immediately following resuscitation after cardiopulmonary arrest⁷⁻¹⁰ or other acute brain injuries, and serial neurologic examinations are necessary to establish or refute the diagnosis of brain death. It is reasonable to defer the neurologic examination to determine brain death for ≥ 24 hours if dictated by the clinical judgment

of the treating physician in such circumstances. If there are concerns about the validity of the examination (eg, flaccid tone or absent movements in a patient with high spinal cord injury or severe neuromuscular disease), if specific examination components cannot be performed due to medical contraindications (eg, apnea testing in patients with significant lung injury, hemodynamic instability, or high spinal cord injury), or if examination findings are inconsistent, continued observation and postponing further neurologic examinations until these issues are resolved are warranted to avoid improperly diagnosing brain death. An ancillary study can be pursued to assist with the diagnosis of brain death in situations where certain examination components cannot be completed.

Neuroimaging with either computed tomography (CT) or magnetic resonance imaging (MRI) should demonstrate evidence of an acute central nervous system injury consistent with the profound loss of brain function. It is recognized that early after acute brain injury, imaging findings may not demonstrate significant injury. In such situations, repeat studies are helpful in documenting that an acute severe brain injury has occurred. CT and MRI are not considered ancillary studies and should not be relied upon to make the determination of brain death.

NUMBER OF EXAMINATIONS, EXAMINERS, AND OBSERVATION PERIODS.

Number of Examinations and Examiners. The committee supports the 1987 guidelines recommending performance of 2 examinations separated by an observation period. The committee recommends that different attending physicians involved in the care of the child perform these examinations.

TABLE 3: Neurologic Examination Components to Assess for Brain Death in Neonates, Infants, and Children,^a Including Apnea Testing

Reversible conditions or conditions that can interfere with the neurologic examination must be excluded prior to brain death testing. See text for discussion.

1. Coma. The patient must exhibit complete loss of consciousness, vocalization, and volitional activity.
 - Patients must lack all evidence of responsiveness. Eye opening or eye movement to noxious stimuli is absent.
 - Noxious stimuli should not produce a motor response other than spinally mediated reflexes. The clinical differentiation of spinal responses from retained motor responses associated with brain activity requires expertise.
2. Loss of all brainstem reflexes including:
 - Midposition or fully dilated pupils that do not respond to light.
 - Absence of pupillary response to a bright light is documented in both eyes. Usually the pupils are fixed in a midsize or dilated position (4–9mm). When uncertainty exists, a magnifying glass should be used.
 - Absence of movement of bulbar musculature including facial and oropharyngeal muscles.
 - Deep pressure on the condyles at the level of the temporomandibular joints and deep pressure at the supraorbital ridge should produce no grimacing or facial muscle movement.
 - Absent gag, cough, sucking, and rooting reflex.
 - The pharyngeal or gag reflex is tested after stimulation of the posterior pharynx with a tongue blade or suction device. The tracheal reflex is most reliably tested by examining the cough response to tracheal suctioning. The catheter should be inserted into the trachea and advanced to the level of the carina followed by 1 or 2 suctioning passes.
 - Absent corneal reflexes.
 - Absent corneal reflex is demonstrated by touching the cornea with a piece of tissue paper, a cotton swab, or squirts of water. No eyelid movement should be seen. Care should be taken not to damage the cornea during testing.
 - Absent oculovestibular reflexes.
 - The oculovestibular reflex is tested by irrigating each ear with ice water (caloric testing) after the patency of the external auditory canal is confirmed. The head is elevated to 30°. Each external auditory canal is irrigated (1 ear at a time) with approximately 10 to 50ml of ice water. Movement of the eyes should be absent during 1 minute of observation. Both sides are tested, with an interval of several minutes.
3. Apnea. The patient must have the complete absence of documented respiratory effort (if feasible) by formal apnea testing demonstrating a $\text{PaCO}_2 \geq 60\text{mmHg}$ and $\geq 20\text{mmHg}$ increase above baseline.
 - Normalization of the pH and PaCO_2 , measured by arterial blood gas analysis, maintenance of core temperature $>35^\circ\text{C}$, normalization of blood pressure appropriate for the age of the child, and correcting for factors that could affect respiratory effort are a prerequisite to testing.
 - The patient should be preoxygenated using 100% oxygen for 5–10 minutes prior to initiating this test.
 - Intermittent mandatory mechanical ventilation should be discontinued once the patient is well oxygenated and a normal PaCO_2 has been achieved.
 - The patient's heart rate, blood pressure, and oxygen saturation should be continuously monitored while observing for spontaneous respiratory effort throughout the entire procedure.
 - Follow-up blood gases should be obtained to monitor the rise in PaCO_2 while the patient remains disconnected from mechanical ventilation.
 - If no respiratory effort is observed from the initiation of the apnea test to the time the measured PaCO_2 is $\geq 60\text{mmHg}$ and $\geq 20\text{mmHg}$ above the baseline level, the apnea test is consistent with brain death.
 - The patient should be placed back on mechanical ventilator support, and medical management should continue until the second neurologic examination and apnea test confirming brain death are completed.
 - If oxygen saturations fall below 85%, hemodynamic instability limits completion of apnea testing, or a PaCO_2 level of $\geq 60\text{mmHg}$ cannot be achieved, the infant or child should be placed back on ventilator support with

TABLE 3 (Continued)

appropriate treatment to restore normal oxygen saturations, arterial CO₂ pressure, and hemodynamic parameters. Another attempt to test for apnea may be performed at a later time, or an ancillary study may be pursued to assist with determination of brain death.

Evidence of any respiratory effort is inconsistent with brain death, and the apnea test should be terminated.

4. Flaccid tone and absence of spontaneous or induced movements, excluding spinal cord events such as reflex withdrawal or spinal myoclonus.

The patient's extremities should be examined to evaluate tone by passive range of motion, assuming that there are no limitations to performing such an examination (eg, previous trauma, etc), and the patient should be observed for any spontaneous or induced movements.

If abnormal movements are present, clinical assessment to determine whether these are spinal cord reflexes should be done.

^aCriteria adapted from 2010 American Academy of Neurology criteria for brain death determination in adults.¹¹

Children being evaluated for brain death may be cared for and evaluated by multiple medical and surgical specialists. The committee recommends that the best interests of the child and family are served if at least 2 different attending physicians participate in diagnosing brain death to ensure that (1) the diagnosis is based on currently established criteria, (2) there are no conflicts of interest in establishing the diagnosis, and (3) there is consensus by at least 2 physicians involved in the care of the child that brain death criteria are met. The committee also believes that because the apnea test is an objective test, it may be performed by the same physician, preferably the attending physician who is managing ventilator care of the child.

Duration of Observation Periods. The committee recommends the observation period between examinations to be 24 hours for neonates (37 weeks gestational age; up to 30 days) and 12 hours for infants and children (>30 days to 18 years). The first examination determines that the child has met neurologic examination criteria for brain death. The second examination confirms brain death based on an unchanged and irreversible condition. Reduction of the observation period and use of ancillary studies are discussed in separate sections of these guidelines.

APNEA TESTING. Apnea testing should be performed with each neurologic examination to determine brain death in all patients unless a medical contraindication exists. Contraindications may include conditions that invalidate the apnea test (such as high cervical spine injury) or raise safety concerns for the patient (high oxygen requirement or ventilator settings). If apnea testing cannot be completed safely, an ancillary study should be performed to assist with the determination of brain death.

Apnea testing in term newborns, infants, and children is conducted similarly as in adults. Normalization of the pH and PaCO₂, measured by arterial blood gas analysis, maintenance of core temperature at >35°C, normalization

of blood pressure appropriate for the age of the child, and correcting for factors that could affect respiratory effort are prerequisites to testing. The patient must be preoxygenated using 100% oxygen for 5 to 10 minutes prior to initiating this test. The physician(s) performing apnea testing should continuously monitor the patient's heart rate, blood pressure, and oxygen saturation while observing for spontaneous respiratory effort throughout the entire procedure. PaCO₂, measured by blood gas analysis, should be allowed to rise to ≥20mmHg above the baseline PaCO₂ level and ≥60mmHg. If no respiratory effort is observed from the initiation of the apnea test to the time the measured PaCO₂ is ≥60mmHg and ≥20mmHg above the baseline level, the apnea test is consistent with brain death. The patient should be placed back on mechanical ventilator support, and medical management should continue until the second neurologic examination and apnea test confirming brain death are completed. If oxygen saturations fall below 85%, hemodynamic instability limits completion of apnea testing, or a PaCO₂ level of ≥60mmHg cannot be achieved, the infant or child should be placed back on ventilator support with appropriate treatment to restore normal oxygen saturations, CO₂ pressure to normocarbica, and hemodynamic parameters. In this instance, another attempt to test for apnea may be performed at a later time, or an ancillary study may be pursued to assist with determination of brain death. Evidence of any respiratory effort is inconsistent with brain death, indicating that the apnea test should be terminated and the patient placed back on ventilatory support.

ANCILLARY STUDIES. The committee recommends that ancillary studies are not required to establish brain death and should not be viewed as a substitute for the neurologic examination. Ancillary studies may be used to assist the clinician in making the diagnosis of brain death (1) when components of the examination or apnea testing cannot be completed safely due to the underlying medical condition of the patient; (2) if there is

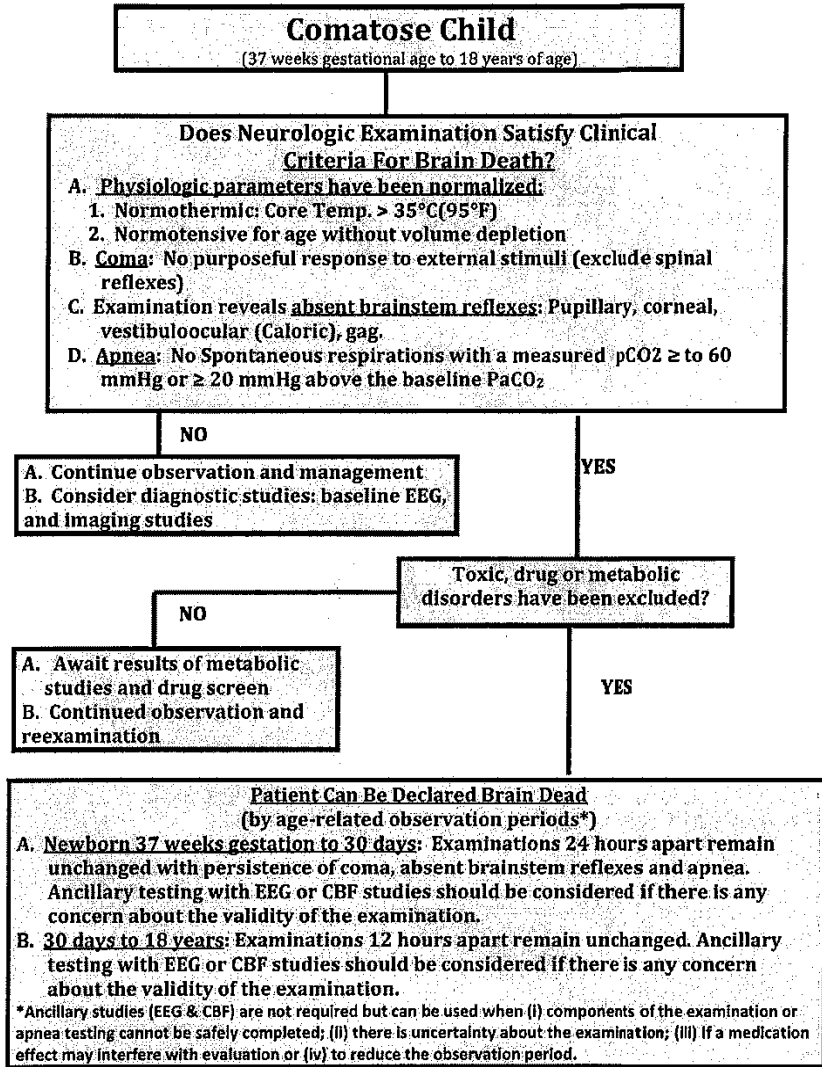


FIGURE: Algorithm to diagnose brain death in infants and children. CBF = cerebral blood flow; EEG = electroencephalography.

uncertainty about the results of the neurologic examination; (3) if a medication effect may be present; or (4) to reduce the interexamination observation period. The term *ancillary study* is preferred to *confirmatory study* because these tests assist the clinician in making the clinical diagnosis of brain death. Ancillary studies may also be helpful for social reasons, allowing family members to better comprehend the diagnosis of brain death.

Four-vessel cerebral angiography is the gold standard for determining absence of cerebral blood flow (CBF). This test can be difficult to perform in infants and small children, may not be readily available at all

institutions, and requires moving the patient to the angiography suite. Electroencephalographic documentation of electrocerebral silence and use of radionuclide CBF determinations to document the absence of CBF remain the most widely used methods to support the clinical diagnosis of brain death in infants and children. Both of these ancillary studies remain accepted tests to assist with determination of brain death in infants and children. Radionuclide CBF testing must be performed in accordance with guidelines established by the Society of Nuclear Medicine and the American College of Radiology.^{12,13} Electroencephalographic (EEG) testing must be performed in accordance

with standards established by the American Electroencephalographic Society.¹⁴ Interpretation of ancillary studies requires the expertise of appropriately trained and qualified individuals who understand the limitations of these studies to avoid any potential misinterpretation.

Similar to the neurologic examination, hemodynamic and temperature parameters should be normalized prior to obtaining EEG or CBF studies. Pharmacologic agents that could affect the results of testing should be discontinued and levels determined as clinically indicated. Low to mid therapeutic levels of barbiturates should not preclude the use of EEG testing.¹⁵ Evidence suggests that radionuclide CBF study can be utilized in patients with high-dose barbiturate therapy to demonstrate absence of CBF.^{16,17} Other ancillary studies such as transcranial Doppler study and newer tests such as CT angiography, CT perfusion using arterial spin labeling, nasopharyngeal somatosensory evoked potential studies, MRI-magnetic resonance angiography, and perfusion MRI have not been studied sufficiently nor validated in infants and children and cannot be recommended as ancillary studies to assist with the determination of brain death in children at this time.

Repeating Ancillary Studies. If the EEG study shows electrical activity or the CBF study shows evidence of flow or cellular uptake, the patient cannot be pronounced dead at that time. The patient should continue to be observed and medically treated until brain death can be declared solely on clinical examination criteria and apnea testing based on recommended observation periods, a follow-up ancillary study can be performed to assist and is consistent with the determination of brain death, or withdrawal of life-sustaining medical therapies is made irrespective of the patient meeting criteria for brain death. A waiting period of 24 hours is recommended before further ancillary testing using radionuclide CBF study is performed to allow adequate clearance of Tc-99m.^{12,13} Although no evidence exists for a recommended waiting period between EEG studies, a waiting period of 24 hours is reasonable and recommended before repeating this ancillary study.

Shortening the Observation Period. If an ancillary study, used in conjunction with the first neurologic examination, supports the diagnosis of brain death, the interexamination observation interval can be shortened, and the second neurologic examination and apnea test (or all components that can be completed safely) can be performed and documented at any time thereafter for children of all ages.

Special Considerations for Term Newborns (37 Weeks Gestation) to 30 Days of Age

The ability to diagnose brain death in newborns is still viewed with some doubt, primarily due to the small

number of brain-dead neonates reported in the literature¹⁸⁻²⁰ and uncertainty regarding whether there are intrinsic biological differences in neonatal brain metabolism, blood flow, and response to injury. The Task Force supports that brain death can be diagnosed in term newborns (37 weeks gestation) and older infants, provided the physician is aware of the limitations of the clinical examination and ancillary studies in this age group. It is important to carefully and repeatedly examine term newborns, with particular attention to examination of brainstem reflexes and apnea testing. As with older children, assessment of neurologic function in the term newborn may be unreliable immediately following an acute catastrophic neurologic injury or cardiopulmonary arrest. A period of ≥ 24 hours is recommended before evaluating the term newborn for brain death. Because of insufficient data in the literature, recommendations for preterm infants < 37 weeks gestational age were not included in these guidelines.

APNEA TESTING. A thorough neurologic examination must be performed in conjunction with the apnea test to make the determination of death in any patient. Data suggest that the PaCO₂ threshold of 60mmHg is also valid in the newborn.²¹ Apnea testing in the term newborn may be complicated by the following: (1) treatment with 100% oxygen may inhibit the potential recovery of respiratory effort,^{22,23} and (2) profound bradycardia may precede hypercarbia and limit this test in neonates. If the apnea test cannot be completed, the examination and apnea test can be attempted at a later time, or an ancillary study may be performed to assist with determination of death. There are no reported cases of any neonate who developed respiratory effort after meeting brain death criteria.

OBSERVATION PERIODS IN TERM NEWBORNS. The committee recommends that the observation period between examinations be 24 hours for term newborns (37 weeks gestational age) to 30 days of age based on data extracted from available literature and clinical experience.

ANCILLARY STUDIES. Available data suggest that ancillary studies in newborns are less sensitive than in older children. Awareness of these limitations would suggest that longer periods of observation and repeated neurologic examinations are needed before making the diagnosis of brain death and also that as in older infants and children, the diagnosis should be made clinically and based on repeated examinations rather than relying exclusively on ancillary studies.

*ANNALS of Neurology***Declaration of Death (for All Age Groups)**

Death is declared after the second neurologic examination and apnea test confirm an unchanged and irreversible condition. An algorithm (see Fig) provides recommendations for the process of diagnosing brain death in children. When ancillary studies are used, documentation of components from the second clinical examination that can be completed, including a second apnea test, must remain consistent with brain death. All aspects of the clinical examination, including the apnea test, or ancillary studies must be appropriately documented. A checklist outlining essential examination and testing components is provided in Table 2. This checklist also provides standardized documentation to determine brain death.

Additional Considerations (for All Age Groups)

The implications of diagnosing brain death are of great consequence. Therefore, experienced clinicians who are familiar with neonates, infants, and children and have specific training in neurocritical care should carry out examinations to determine brain death. These physicians must be competent to perform the clinical examination and interpret results from ancillary studies. Qualified clinicians include pediatric intensivists and neonatologists, pediatric neurologists and neurosurgeons, pediatric trauma surgeons, and pediatric anesthesiologists with critical care training. Adult specialists should have appropriate neurologic and critical care training to diagnose brain death when caring for the pediatric patient from birth to 18 years of age. Residents and fellows should be encouraged to learn how to properly perform brain death testing by observing and participating in the clinical examination and testing process performed by experienced attending physicians. It is recommended that both neurologic examinations be performed and documented by an attending physician who is qualified and competent to perform the brain death examination.

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Potential Conflicts of Interest

Nothing to report.

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Endorsements and Approvals

This document has been reviewed and endorsed by the following societies:

- American Academy of Pediatrics (subsections: Section on Critical Care, Section on Neurology)
- American Association of Critical Care Nurses
- Child Neurology Society
- National Association of Pediatric Nurse Practitioners
- Society of Critical Care Medicine
- Society for Pediatric Anesthesia
- Society of Pediatric Neuroradiology
- World Federation of Pediatric Intensive and Critical Care Societies

The American Academy of Neurology affirms the value of this article.

The following subsections of the American Academy of Pediatrics have had the opportunity to review and comment on this document:

- Committee on Bioethics
- Committee on Child Abuse and Neglect
- Committee on Federal Government Affairs
- Committee on Fetus and Newborn
- Committee on Hospital Care
- Committee on Medical Liability and Risk Management
- Committee on Pediatric Emergency Medicine
- Committee on Practice and Ambulatory Medicine
- Committee on State Government Affairs
- Council on Children with Disabilities
- Section on Anesthesiology and Pain Medicine
- Section on Bioethics
- Section on Child Abuse and Neglect
- Section on Emergency Medicine
- Section on Hospital Medicine
- Section on Perinatal Pediatrics
- Section on Neurological Surgery
- Section on Pediatric Surgery

The Pediatric Section of the American Association of Neurosurgeons and the Congress of Neurologic Surgeons have been provided the opportunity to review this document.

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EXHIBIT M

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Symposium Article

Defining the Beginning and the End of Human Life: Implications for Ethics, Policy, and Law

Guest Edited by Robert M. Sade

THE WHOLE-BRAIN CONCEPT OF DEATH REMAINS OPTIMUM PUBLIC POLICY

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The definition of death is one of the oldest and most enduring problems in biophilosophy and bioethics. Serious controversies over formally defining death began with the invention of the positive-pressure mechanical ventilator in the 1950s. For the first time, physicians could maintain ventilation and, hence, circulation on patients who had sustained what had been previously lethal brain damage. Prior to the development of mechanical ventilators, brain injuries severe enough to induce apnea quickly progressed to cardiac arrest from hypoxemia. Before the 1950s, the loss of spontaneous breathing and heartbeat (“vital functions”) were perfect predictors of death because the functioning of the brain and of all other organs ceased rapidly and nearly simultaneously thereafter, producing a unitary death phenomenon. In the pretechnological era, physicians and philosophers did not have to consider whether a human being who had lost certain “vital functions” but had retained others was alive, because such cases were technically impossible.

With the advent of mechanical support of ventilation, (permitting maintenance of circulation) the previous unitary determination of death became ambiguous. Now patients were encountered in whom some vital organ functions (brain) had ceased totally and irreversibly, while other vital organ functions (such as ventilation and circulation) could be maintained, albeit mechanically. Their life status was ambiguous and debatable because they had features of both dead and living patients. They resembled dead patients in that they could not move or breathe, were utterly unresponsive to any stimuli, and had lost brain stem reflex activity. But they also resembled living patients in that they had maintained heartbeat, circulation and intact visceral organ functioning. Were these unfortunate patients in fact alive or dead?

In a series of scientific articles addressing this unprecedented state, several authors made the bold claim that patients who had totally and irreversibly lost brain functions were dead, despite their continued heartbeat and circulation.¹ In the 1960s, they popularized the concept they called “brain death” to acknowledge this idea.² The intuitive attractiveness of the concept of “brain death” led to its rapid acceptance by the medical and scientific community, and to legislators expeditiously drafting public laws permitting physicians to determine death on the basis of loss of brain functioning.³ Interestingly, largely by virtue of its intuitive appeal, the academy, medical practitioners, governments, and the public accepted the validity of brain death prior to the development of a rigorous biophilosophical proof that brain dead patients were truly dead. Medical historians have emphasized utilitarian factors in this rapid acceptance, because a determination of brain death permitted the desired societal goals of cessation of medical treatment and organ procurement.⁴

The practice of determining human death using brain death tests has become worldwide over the past several decades. The practice is enshrined in law in all 50 states in the United States and in approximately 80 other countries, including nearly all of the developed world and much of the undeveloped world.⁵ A 1995 conference on the definition of death sponsored by the Institute of Medicine concluded that, despite certain theoretical and practical shortcomings, the practice of diagnosing brain

death was so successful and so well accepted by the medical profession and the public that no major public policy changes seemed desirable.⁶

Yet despite this consensus, from its beginning, a persistent group of critics have attacked the concept and practice of brain death as being conceptually invalid or a violation of religious beliefs.⁷ Recently, through the intellectual leadership of Alan Shewmon, additional critics have concluded that the concept of brain death is incoherent, anachronistic, unnecessary, a legal fiction, and should be abandoned.⁸ In this essay I show that, despite admitted shortcomings, the classical formulation of whole-brain death remains both conceptually coherent and forms a solid foundation for public policy surrounding human death determination and organ transplantation.

An Analysis of Death

Defining death is a formidable task.⁹ In their rigorous, thoughtful, and highly influential book *Defining Death*,¹⁰ the President's Commission for the Study of Ethical Problems in Medicine and Biomedical and Behavioral Research chose as their conceptual foundation the analysis of death that I published with my Dartmouth colleagues Charles Culver and Bernard Gert.¹¹ Our analysis was conducted in three sequential phases: (1) the philosophical task of determining the definition of death by making explicit the consensual concept of death that has been confounded by technology; (2) the philosophical and medical task of determining the best criterion of death, a measurable condition that shows that the definition has been fulfilled by being both necessary and sufficient for death; and (3) the medical-scientific task of determining the tests of death for physicians to employ at the patient's bedside to demonstrate that the criterion of death has been fulfilled with no false positive and minimal false negative determinations. Most subsequent scholars have accepted this method of analysis, if not our conclusions, with two recent exceptions.¹²

Following a series of published critiques and rebuttals of our position over the past two decades, I concluded that much of the disagreement over our account of death resulted from the lack of acceptance by dissenting scholars of the "paradigm of death." By "paradigm of death" I refer specifically to a set of conditions and assumptions that frame the discussion of the topic of death by identifying the nature of the topic, the class of phenomena to which it belongs, how it should be discussed, and its conceptual boundaries.¹³ Accepting a paradigm of death permits scholars to rationally analyze and discuss death without falling victim to the fallacy of category noncongruence and consequently talking past each other. But the paradigm remains useful even if scholars do not agree on all its elements, because it can help clarify the root of their disagreement.

My paradigm of death comprises seven sequential elements. First, the word "death" is a common, nontechnical word that we all use correctly to refer to the cessation of a human being's life. The philosophical task of defining death seeks not to redefine it by contriving a new meaning, but rather to divine and make explicit the implicit meaning of death that we all accept but that has been made ambiguous by technological advances. Some scholars have gone astray by not attempting to capture our consensual concept of death and instead redefining death for ideological purposes or by overanalyzing death to a metaphysical level of abstraction-- thereby rendering it devoid of its ordinary meaning.¹⁴

Second, death is fundamentally a biological phenomenon. We all agree that life is a biological entity; thus also should be its cessation. Accepting that death is a biological phenomenon neither denigrates the richness³⁷ and beauty of various cultural and religious practices surrounding death and dying, nor denies societies their proper authority to govern practices and establish laws regulating the determination and time of death. But death is an immutable and objective biological fact and not fundamentally a social contrivance.¹⁵ For the definition and criterion of death, the paradigm thus exclusively considers the ontology of death and ignores its normative aspects.

Third, we restrict our analysis to the death of higher vertebrate species for which death is univocal. That is, we mean the same phenomenon of "death" when we say our cousin died as we do when we say our dog died. Although individual cells

within organisms and single celled organisms also die, our analysis of defining human death is simplified by restricting our purview to the death of related higher vertebrate species. Determining the death of cells, organs, protozoa, or bacteria are valid biophilosophical tasks but are not the task at hand here.

Fourth, the term “death” can be applied directly and categorically only to organisms. All living organisms meet die and only living organisms can die. Our use of language may seem to confuse this point, for example, when we say “a person died.” But by this usage we are referring directly to the death of the living organism that embodied the person, not to a living organism ceasing to be a person. Personhood is a psychosocial construct that can be lost but cannot die, except metaphorically. Similarly, other uses of the term “death” such as “the death of a culture” clearly are metaphorical and fall outside the paradigm.¹⁶

Fifth, a higher vertebrate organism can reside in only one of two states, alive or dead; no organism can be in both states or in neither. Based on the theory of fuzzy sets, the concept that the world does not easily divide itself into sets and their complements, Amir Halevy and Baruch Brody proposed that an organism may reside in a transitional state between alive and dead that shares features of both states.¹⁷ This claim appears plausible when considering cases of gradual, protracted dying, in which it may be difficult and even appear arbitrary to identify the precise moment of death. But this claim ignores the important distinction between our ability to identify an organism's biological state and the nature of that state. Simply because we currently lack the technical ability to always accurately identify an organism's state does not necessitate postulating an in-between state. Using the terminology of fuzzy set theory as a guide, the paradigm requires us to view alive and dead as mutually exclusive (non-overlapping) and jointly exhaustive (no other) sets.

Sixth, and inevitably following from the preceding premise, death must be an event and not a process. If there are only two exclusive underlying states of an organism, the transition from one state to the other, at least in theory, must be sudden and instantaneous, because of the absence of an intervening state. Disagreement on this point, highlighted since the original debate over 30 years ago in *Science* by Robert Morison and Leon Kass,¹⁸ centers on the difference between our ability to accurately measure the presence of a biological state and the nature of that biological state. To an observer, it may appear that death is an ineluctable process within which it is arbitrary to stipulate the moment of death, but such an observation simply underscores our current technical limitations. For technical reasons, the event of death may be determinable with confidence only in retrospect. As my colleagues and I first observed in 1981, death is best conceptualized not as a process but as the event separating the biological processes of dying and bodily disintegration.¹⁹

Seventh and finally, death is irreversible. By its nature, if the event of death were reversible it would not be death but rather part of the process of dying that was interrupted and reversed. Advances in technology permit physicians to interrupt the dying process in some cases and postpone the event of death. So-called “near-death experiences,” reported by some critically ill patients who subsequently recovered, do not indicate returning from the dead but are rather recalled experiences that result from alterations in brain physiology during incipient dying that was reversed in a timely manner.²⁰

The Definition of Death

Given the set of assumptions and conditions comprising the paradigm of death, we can now explore the definition, criterion, and tests of death. Defining death is the conceptual task of making explicit our understanding of it. It poses an essential question: what does it mean for an organism to die, particularly in our contemporary circumstance in which technology can compensate for the failure of certain vital organs?

We all agree that by “death” we do not require the cessation of functioning of every cell in the body, because some integument cells that require little oxygen or blood flow continue to function temporarily after death is customarily declared. We also do not simply mean the cessation of heartbeat and respiration, though this circumstance will lead to death if untreated. Although some religious believers assert that the soul departs the body at the moment of death, this is not an adequate definition of death because it is not what religious believers fundamentally mean by “death.”

Beginning early in the brain-death debate, Robert Veatch advocated a position that became known as the “higher-brain formulation of death.”²¹ He claimed *38 that death should be defined formally as “the irreversible loss of that which is considered to be essentially significant to the nature of man.” He expressly rejected the idea that death should be related to an organism's “loss of the capacity to integrate bodily function” asserting that “man is, after all, something more than a sophisticated computer.”²² His project attempted not to reject brain death, but to refine the intuitive thinking underlying the brain death concept by emphasizing that it was the cerebral cortex that counted in a brain death concept and not the more primitive integrating brain structures.

Irrespective of the attractiveness of this idea, (it has spawned a loyal following²³) the higher-brain formulation contains a fatal flaw as a candidate for a definition of death: it is not what we mean when we say “death.” Its logical criterion of death would be the irreversible loss of consciousness and cognition, such as that which occurs in patients in an irreversible persistent vegetative state (PVS). Thus a higher-brain formulation of death would count PVS patients as dead. However, despite their profound and tragic disability, all societies, cultures, and laws consider PVS patients as alive. Thus, despite its potential merits, the higher-brain formulation fails the first condition of the paradigm: to make explicit our underlying consensual concept of death and not to contrive a new definition of death.

In 1981, my colleagues and I strove to capture the essence of the concept of human death that formed the intuitive foundation of the brain-based criterion of death. We defined death as “the cessation of functioning of the organism as a whole.”²⁴ This definition utilized a biological concept proposed by Jacques Loeb in 1916.²⁵ Loeb explained that organisms are not simply composites of cells, tissues, and organs, but possess overarching functions that regulate and integrate all systems to maintain the unity and interrelatedness of the organism to promote its optimal functioning and health. The organism as a whole comprises that set of functions that are greater than the mere sum of the organism's parts.

More recently, biophilosophers have advanced the concept of “emergent functions” to explain this type of phenomenon with greater conceptual clarity.²⁶ An emergent function is a property of a whole that is not possessed by any of its component parts, and that cannot be reduced to one or more of its component parts. The physiological correlate of the organism as a whole is the set of emergent functions of the organism. The irretrievable loss of the organism's emergent functions produces loss of the critical functioning of the organism as a whole and therefore is the death of the organism.

In early writings on brain death, a few scholars proposed similar ideas. Most noteworthy was Julius Korein who asserted that the brain was the “critical system” of the organism whose loss indicated the organism's death.²⁷ Using thermodynamics theory, Korein argued that once the critical system was irretrievably lost (death), an irreversible and unstoppable process ensued of increasing entropy that constituted the process of bodily disintegration. The concept of the demise of the organism's critical system relies on concepts analogous to the cessation of functions of the organism as a whole.

Examples of critical functions of the organism as a whole include: (1) consciousness, which is necessary for the organism to respond to requirements for hydration and nutrition; (2) control of circulation, respiration, and temperature control, which are necessary for all cellular metabolism; and (3) integrating and control systems involving chemoreceptors, baroreceptors, and neuroendocrine feedback loops to maintain homeostasis. Death is the irreversible and permanent loss of the critical functions of the organism as a whole.

The Criterion of Death

The next task is to identify the criterion of death, the general measurable condition that satisfies the definition of death by being both necessary and sufficient for death. There are several plausible candidates for a criterion of death. Among brain death advocates, three separate criteria have been proposed: (1) the wholebrain formulation, the criterion recommended by the

Harvard Committee and the President's Commission, and accepted throughout the United States and in most parts of the world; (2) the higher-brain formulation, popular in the academy but accepted in no jurisdictions anywhere; and (3) the brain stem formulation accepted in the United Kingdom.²⁸

The whole-brain criterion requires cessation of all brain clinical functions including those of the cerebral hemispheres, diencephalon (thalamus and hypothalamus), and brain stem. Whole-brain theorists require widespread cessation of neuronal functions because each part of the brain serves the critical functions of the organism as a whole. The brain stem initiates and controls breathing, regulates circulation, and serves as the generator of conscious awareness through the ascending reticular activating system. The diencephalon provides the center for bodily homeostasis, regulating and coordinating numerous neuroendocrine control systems such as those regulating body temperature, salt and water regulation, feeding behavior, and memory. The cerebral hemispheres have an indispensable role in awareness that provides the conditions for all ***39** conscious behavior that serves the health and survival of the organism.

Clinical functions are those that are measurable at the bedside. The distinction between the brain's clinical functions and brain activities, recordable electrically or through other laboratory means, was made by the President's Commission in *Defining Death* though, for the sake of brevity, it did not appear in the Uniform Determination of Death Act proposed by the Commission.²⁹ All clinical brain functions measurable at the bedside must be lost and the absence must be shown to be irreversible. But the whole-brain criterion does not require the loss of all neuronal activities. Some neurons may survive and contribute to recordable brain activities (by an electroencephalogram, for example) but not to clinical functions.³⁰ The precise number, location, and configuration of the minimum number of critical neuron arrays remain unknown.

Despite the fact that the whole-brain criterion does not require the cessation of functioning of every brain neuron, it does rely on a pathophysiological process known as brain herniation to assure widespread destruction of the neuron systems responsible for the brain's clinical functions.³¹ When the brain is injured diffusely by trauma, hypoxicischemic damage during cardiorespiratory arrest or asphyxia, meningoencephalitis, or enlarging intracranial mass lesions such as neoplasms,³² brain edema causes intracranial pressure to rise to levels exceeding mean arterial blood pressure. At this point, intracranial circulation ceases and nearly all brain neurons that were not destroyed by the initial brain injury are secondarily destroyed by lack of intracranial circulation. Thus the whole-brain formulation provides a fail-safe mechanism to eliminate false-positive brain death determinations and assure the loss of the critical functions of the organism as a whole. Showing the absence of all intracranial circulation is sufficient to prove widespread destruction of all critical neuronal systems. Similarly, it satisfies Korein's requirement for the loss of the irreplaceable critical system of the organism.

The higher-brain formulation fails to provide an adequate criterion of death because its conditions are insufficient for the loss of the critical functions of the organism as a whole. Its criterion is the irreversible loss of consciousness and cognition. The most common clinical manifestation of this condition is the PVS, caused by diffuse damage to the cerebral hemispheres, thalami, or disconnections between those structures.³³ In most cases of PVS, brain stem neurons and their functions remain intact, so PVS patients, although unaware, have retained wakefulness and sleep-wake cycles (through the function of the intact ascending reticular activating system), have continued control of respiration and circulation by the intact medulla, and retain other brain stem mediated regulatory functions.³⁴ The higher-brain formulation, thus, serves as neither an adequate definition nor criterion of death.

The criterion of the brain stem formulation is the loss of consciousness and the capacity for breathing.³⁵ Diffuse damage to the brain stem that is sufficient to destroy the ascending reticular activating system and the medullary breathing center satisfies this criterion. But the brain stem formulation does not require commensurate damage to the diencephalon or cerebral hemispheres. It therefore leaves open the possibility of misdiagnosis of death because of a pathological process that appears to destroy brain stem activities but that permits some form of residual conscious awareness that cannot be easily detected. It thus lacks the fail-safe feature of whole-brain death to test for and guarantee the irreversible loss of these critical systems.

As a criterion of death, the circulation formulation fails for precisely the opposite reason of the higher-brain and brain stem formulations. Whereas the higher-brain and brain stem criteria both fail because they are necessary but not sufficient for death, the circulation criterion fails because it is sufficient but not necessary for death. The loss of all systemic circulation produces the destruction of all bodily organs and tissues so it is clearly a sufficient condition for death. But it is unnecessary to require the cessation of functions of organs that do not serve the critical functions of the organism as a whole.³⁶

The Tests of Death

Brain death tests must be used to determine death only in the unusual case in which a patient's ventilation is being supported. If positive-pressure ventilation is neither employed nor entertained, the traditional tests of death--prolonged absence of breathing and heartbeat--can be used successfully. These traditional tests are absolutely predictive that the brain will be rapidly destroyed by lack of blood flow and oxygen, at which time death will have occurred. Traditional examinations for death, in addition to testing for heartbeat and breathing, always included tests for responsiveness and pupillary reflexes that directly measure brain function.

*40 The bedside tests satisfying the whole-brain criterion of death have been designed with a sufficiently high degree of concordance to permit the drafting of widely accepted clinical practice guidelines on the determination of brain death.³⁷ The tests require demonstrating the loss of all clinical brain functions, irreversibility, and a known structural process sufficient to produce the clinical findings. Laboratory tests showing the absence of intracranial blood flow or the absence of electrical activity in the hemispheres and brain stem can be used to confirm the clinical diagnosis to expedite the determination.³⁸

Irreversibility is an indispensable requirement for brain death. There is general belief that irreversibility can be adequately demonstrated by conducting serial neurological examinations, excluding potentially reversible factors, and demonstrating a structural cause that is sufficient to account for the clinical signs. But, while highly plausible, these conditions have never been proved to assure irreversibility. Two recent factors prompted me to reassess my previous position that irreversibility could be proved solely by clinical factors and to suggest that a laboratory test showing cessation of all intracranial blood flow should become mandatory in brain death determination.

There are several published studies documenting the alarming frequency of physician variations and errors in performing brain death tests,³⁹ despite clear guidelines for performing and recording the tests. Patients with "chronic brain death" have been reported who were diagnosed as brain dead but whose circulation and visceral organ functioning were successfully physiologically maintained for months or longer.⁴⁰ Eelco Wijdicks and I questioned whether all of the reported patients were correctly diagnosed, and if some brain-damaged but not brain dead patients were included because of inadequate examinations and resultant incorrect brain death determinations.⁴¹ Reacting to both these findings, I proposed that the mere assertion of irreversibility may no longer be sufficient to diagnose brain death and that a test showing cessation of all intracranial blood flow, such as transcranial Doppler ultrasonography, radionuclide angiography, or computed tomographic angiography, should become mandatory, at least if there is any question about the diagnosis or if the examiner is inexperienced.⁴²

Public Policy on Death

Brain death is widely regarded as the prime example of a formerly contentious bioethical and biophilosophical issue that has been resolved to the point of widespread public consensus.⁴³ Evidence for this consensus is the enactment of effective and well-accepted brain death laws and policies throughout the world.⁴⁴ In the United States, the Uniform Determination of Death Act, recommended by the President's Commission and the National Conference of Commissioners on Uniform State Laws,⁴⁵

has been enacted in most states, and others have enacted statutes with similar language. Contemporaneously, the Law Reform Commission of Canada produced a similar statute.⁴⁶

But an observer unaware of this consensus and public acceptance, who relied solely on reading the output of scholarly articles and university conferences on brain death, would reach a far different conclusion. The publication of anti-brain death articles has never been greater than during the past decade. Yet, despite those arguments, the 1995 Institute of Medicine conference on brain death recommended no changes in public laws in the United States,⁴⁷ no jurisdiction has abandoned its brain death statute, and there is evidence that many additional countries have embraced the practice of determining brain death during the past decade of scholarly dissention.⁴⁸ What accounts for the mismatch between public acceptance and scholarly agitation?

Higher-brain proponents continue to accept brain death but argue that the criterion of death should be changed to the higher-brain formulation. Brain stem death proponents also accept the conceptual validity of brain death but hold that the criterion of death should be the brain stem formulation. Religious authorities continue a debate that has raged for 40 years about whether brain death is compatible with the doctrines of the world's principal religious traditions.⁴⁹ Protestantism, including fundamentalism, has accepted brain death.⁵⁰ The debate in Roman Catholicism was largely settled by Pope John Paul's 2000 pronouncement embracing brain death as consistent with Catholic teachings.⁵¹ In Judaism, brain death is accepted by Reform and Conservative authorities, but an Orthodox rabbinic debate continues between those who declare brain death compatible with Jewish law and those who do not.⁵² Brain death determination is also practiced in several Islamic societies,⁵³ Hindi societies,⁵⁴ and in Confucian-Shinto Japan.⁵⁵

The principal active opponents within the academy are those who reject the concept of brain death outright and promote the concept that a human being is not dead until the systemic circulation ceases and all organs are destroyed. The circulation proponents see no special role for brain functions in a determination of death. Alan Shewmon, the intellectual leader of the circulationists, has written eloquently on the conceptual problems inherent within the whole-brain (or any brain criterion) formulation.⁵⁶ He cites evidence that the brain performs no qualitatively different forms of integration than the spinal cord and argues that therefore it should enjoy no special status above other organs in death determination. He claims further that his cases of "chronic brain death" show that the concept of brain death is inherently counterintuitive, for how could a dead body gestate infants or grow?⁵⁷

Another critic, Robert Taylor, has called the brain death concept a "legal fiction" that is accepted by society in a manner analogous to the concept of legal blindness. Taylor explains that legal blindness is a concept invented by society to permit people who are functionally blind from severe visual impairment to receive the same social benefits as those enjoyed by people who are totally blind. We all know that most people who are declared legally blind are not truly blind. But we employ a legal fiction and use the term "blindness" in a biologically incorrect way for its socially beneficial purpose. Taylor argues that, by analogy, we know that people we declare "brain dead" are not truly dead, but we consider them dead for the socially beneficial goal of organ procurement.⁵⁸

As a longstanding proponent of whole-brain death, I acknowledge that the whole-brain formulation, although coherent, is imperfect, and that my attempts to defend it have not adequately addressed all valid criticisms. But my inadequacies must be viewed within the larger context of the relationship of biology to public policy. Our attempts to conceptualize, understand, and define the complex and subtle natural concepts of life and death remain far from perfect. Perhaps we will never be able to achieve uniform definitions of life and death that everyone accepts and that no one criticizes for conceptual or practical shortcomings.

In the real world of public policy on biological issues, we must frequently make compromises or approximations to achieve acceptable practices and laws. For these compromises to be tolerable, generally they should be minor and not affect outcomes. For example, in the current practice of organ donation after cardiac death (formerly known as non-heart-beating organ donation), I and others raised the question of whether the organ donor patients were truly dead after only five minutes of asystole. The five-

minute rule was accepted by the Institute of Medicine as the point at which death could be declared and the organs procured.⁵⁹ Ours was a biologically valid criticism because, at least in theory, some such patients could be resuscitated after five minutes of asystole and still retain measurable brain function. If that was true, they were not yet dead at that point so their death declaration was premature.

But thereafter I changed my position to support programs of organ donation after cardiac death. I decided that it was justified to accept a compromise on this biological point when I realized that donor patients, if not already dead at five minutes of asystole, were incipiently and irreversibly dying because they could not auto-resuscitate and no one would attempt their resuscitation. Because their loss of circulatory and respiratory functions was permanent if not yet irreversible, there would be no difference whatsoever in their outcomes if their death were declared after five minutes of asystole or after 60 minutes of asystole. I concluded that, from a public policy perspective, accepting the permanent loss of circulatory and respiratory functions rather than requiring their irreversible loss was justified. The good accruing to the organ recipient, the donor patient, and the donor family resulting from organ donation justified overlooking the biological shortcoming because, although the difference in the death criteria was real, it was inconsequential.

Of course Alan Shewmon is correct that not all bodily system integration and functions of the organism as a whole are conducted by the brain (though most are) and that the spinal cord and other structures serve relevant roles. And Robert Taylor is correct that many people view brain death as a legal fiction and regard such patients "as good as dead" but not biologically dead. But despite its shortcomings, the whole-brain formulation remains coherent on the grounds of the critical functions of the organism as a whole and on the additional grounds of Korein's critical system theory. The whole-brain death formulation comprises a concept and public policy that make intuitive and practical sense and have been well accepted by the public throughout many societies. Therefore, while I am willing to acknowledge that whole-brain death formulation remains imperfect, I continue to support it because on the public policy level its shortcomings are relatively inconsequential.

Those scholars attacking the established wholebrain death formulation have a duty to show that their proposed alternative formulations not only more accurately represent biological reality, but also can be translated into successful public policy that is intuitively acceptable and maintains public confidence in physicians' accuracy in death determination and in the integrity of the organ procurement enterprise. Although I acknowledge certain weakness of the wholebrain death formulation, I hold that it most accurately maps our consensual implicit concept of death in a technological age and, as a consequence, it has been accepted by societies throughout the world.

Footnotes

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¹ The early history of "brain death" is discussed in M. S. Pernick, "Brain Death in a Cultural Context: The Reconstruction of Death 1967-1981," in S. J. Youngner, R. M. Arnold, and R. Schapiro, eds., *The Definition of Death: Contemporary Controversies* (Baltimore: Johns Hopkins University Press, 1999): 13-33; and M. N. Diringier and E. F. M. Wijdieks, "Brain Death in Historical Perspective," in E. F. M. Wijdieks, ed., *Brain Death* (Philadelphia: Lippincott Williams & Wilkins, 2001): 5-27. Early reports from France described *coma dépassé* (a state beyond coma). See P. Mollaret and M. Goulon, "Le Coma Dépassé (Mémoire Préliminaire)" *Revue Neurologique* 101 (1959): 3-15. The Harvard Medical School report was the earliest widely publicized article to claim that such patients were dead. See "A Definition of Irreversible Coma: Report of the Ad Hoc Committee of the Harvard Medical School to Examine the Definition of Brain Death," *JAMA* 205 (1968): 337-340.

² "Brain death" is the colloquial term for human death determination using tests of absent brain functions. But it is an unfortunate term because it is inherently misleading. It falsely implies that there are two types of death: brain death and ordinary death, instead of unitary death tested using two sets of tests. It also wrongly suggests that only the brain is dead in such patients. Robert Veatch stated that because of these shortcomings he uses the term only in quotation marks (personal communication November 4, 1995).

- 3 In 1970, Kansas became the first state to enact a death statute incorporating the new concept of brain death, a mere two years after the Harvard Medical School report. See I. M. Kennedy, "The Kansas Statute on Death--An Appraisal," *New England Journal of Medicine* 285 (1971): 946-950, at 946.
- 4 See G. S. Belkin, "Brain Death and the Historical Understanding of Bioethics," *Bulletin of the History of Medical Allied Sciences* 58 (2003): 325-361; E. F. M. Wijdicks, "The Neurologist and Harvard Criteria for Brain Death," *Neurology* 61 (2003): 970-976; M. Giacomini, "A Change of Heart and a Change of Mind? Technology and the Redefinition of Death in 1968," *Social Science & Medicine* 44 (1997): 1465-1482; and M. S. Pernick, *supra* note 1.
- 5 In nearly all states, brain death is incorporated into the statute of death. In a few jurisdictions, brain death is permitted in administrative regulations. See H. R. Beresford, "Brain Death," *Neurologic Clinics* 17 (1999): 295-306. For international practices of brain death, see E. F. M. Wijdicks, "Brain Death Worldwide: Accepted Fact but No Global Consensus in Diagnostic Criteria," *Neurology* 58 (2002): 20-25.
- 6 S. J. Youngner, R. M. Arnold, and R. Schapiro, eds., *The Definition of Death: Contemporary Controversies* (Baltimore: Johns Hopkins University Press, 1999).
- 7 See, for example, R. D. Truog, "Is it Time to Abandon Brain Death?" *Hastings Center Report* 27, no. 1 (1997): 29-37; R. M. Taylor, "Reexamining the Definition and Criterion of Death," *Seminars in Neurology* 17 (1997): 265-270; P. A. Byrne, S. O'Reilly, and P. M. Quay, "Brain Death--An Opposing Viewpoint," *JAMA* 242 (1979): 1985-1990; and J. Seifert, "Is Brain Death Actually Death? A Critique of Redefinition of Man's Death in Terms of 'Brain Death,'" *The Monist* 76 (1993): 175-202.
- 8 Alan Shewmon's recent works on this topic include D. A. Shewmon, "The Brain and Somatic Integration: Insights into the Standard Biological Rationale for Equating 'Brain Death' with Death," *Journal of Medicine and Philosophy* 26 (2001): 457-478; and D. A. Shewmon, "The 'Critical Organ' for the Organism as a Whole: Lessons from the Lowly Spinal Cord," *Advances in Experimental Medicine and Biology* 550 (2004): 23-42. Other scholars agreeing with him also published works following his article in the *Journal of Medicine and Philosophy*.
- 9 H. K. Beecher, chairman of the landmark 1968 Harvard Medical School Committee report (see note 1), later warned: "Only a very bold man, I think, would attempt to define death." See H. K. Beecher, "Definitions of 'Life' and 'Death' for Medical Science and Practice," *Annals of the New York Academy of Sciences* 169 (1970): 471-474.
- 10 President's Commission for the Study of Ethical Problems in Medicine and Biomedical and Behavioral Research, *Defining Death: Medical, Legal and Ethical Issues in the Determination of Death* (Washington, DC: U.S. Government Printing Office, 1981): at 31-43.
- 11 J. L. Bemat, C. M. Culver and B. Gert, "On the Definition and Criterion of Death," *Annals of Internal Medicine* 94 (1981): 389-394.
- 12 Alan and Elisabeth Shewmon recently claimed that my approach is futile because language constrains our capacity to conceptualize life and death. They regard death as an "ur-phenomenon" that is "... conceptually fundamental in its class; no more basic concepts exist to which it can be reduced. It can only be intuited from our experience of it ..." See D. A. Shewmon and E. S. Shewmon, "The Semiotics of Death and its Medical Implications," *Advances in Experimental Medicine and Biology* 550 (2004): 89-114. Winston Chiong also rejected my analytic approach claiming that there can be no unified definition of death. Yet, he agreed that the whole-brain criterion of death is the most coherent concept of death. See W. Chiong, "Brain Death Without Definitions," *Hastings Center Report* 35 (2005): 20-30.
- 13 I have discussed these conditions in greater detail in J. L. Bernat, "The Biophilosophical Basis of Whole-Brain Death," *Social Philosophy & Policy* 19, no. 2 (2002): 324-342.
- 14 Robert Veatch exemplifies a scholar who has attempted to redefine death for the purpose of considering patients in persistent vegetative states as dead, despite the fact that all societies consider them alive. See, for example, R. M. Veatch, "The Impending Collapse of the Whole-Brain Definition of Death," *Hastings Center Report* 23, no. 4 (1993): 18-24. Linda Emanuel abstracted death to a clinically unhelpful metaphysical level: "there is no state of death ... to say 'she is dead' is meaningless because 'she' is not compatible with 'dead.'" See L. L. Emanuel, "Reexamining Death: The Asymptotic Model and a Bounded Zone Definition," *Hastings Center Report* 25, no. 4 (1995): 27-35.

- 15 For a scholar who argues that the definition of death is largely a normative social matter, see R. M. Veatch, "The Conscience Clause: How Much Individual Choice in Defining Death Can Our Society Tolerate?" in S. J. Youngner, R. M. Arnold, and R. Schapiro, eds., *The Definition of Death: Contemporary Controversies* (Baltimore: Johns Hopkins University Press, 1999): 137-160.
- 16 In this regard, I disagree with Jeff McMahan that there are two types of death: death of the organism and death of the person. See J. McMahan, "The Metaphysics of Brain Death," *Bioethics* 9 (1995): 91-126.
- 17 A. Halevy and B. Brody, "Brain Death: Reconciling Definitions, Criteria, and Tests," *Annals of Internal Medicine* 119 (1993): 519-525.
- 18 R. S. Morison, "Death: Process or Event?" *Science* 173 (1971): 694-698 and L. Kass, "Death as an Event: A Commentary on Robert Morison," *Science* 173 (1971): 698-702. The Shewmons (see note 12) recently described the process vs. event argument as "tiresome" because, as a consequence of linguistic constraints, death can be understood only as an event.
- 19 J. L. Bernat, C. M. Culver, and B. Gert, "On the Definition and Criterion of Death," *Annals of Internal Medicine* 94 (1981): 389-394.
- 20 S. Parnia, D. G. Waller, R. Yeates, and P. Fenwick, "A Qualitative and Quantitative Study of the Incidence, Features, and Etiology of Near Death Experiences in Cardiac Arrest Survivors," *Resuscitation* 48 (2001): 149-156.
- 21 R. M. Veatch, "The Whole Brain-Oriented Concept of Death: An Outmoded Philosophical Formulation," *Journal of Thanatology* 3 (1975): 13-30; R. M. Veatch, "Brain Death and Slippery Slopes," *Journal of Clinical Ethics* 3 (1992): 181-187; and R. M. Veatch, "The Impending Collapse of the Whole-Brain Definition of Death," *Hastings Center Report* 23, no. 4 (1993): 18-24.
- 22 R. M. Veatch, *supra* note 21, at 23.
- 23 See, for example, M. B. Green and D. Wikler, "Brain Death and Personal Identity," *Philosophy and Public Affairs* 9 (1980): 105-133; S. J. Youngner and E. T. Bartlett, "Human Death and High Technology: The Failure of the Whole Brain Formulation," *Annals of Internal Medicine* 99 (1983): 252-258; and K. G. Gervais, *Redefining Death* (New Haven: Yale University Press, 1986).
- 24 J. L. Bernat, C. M. Culver, and B. Gert, "On the Definition and Criterion of Death," *Annals of Internal Medicine* 94 (1981): 389-394. I later refined the definition to require only the permanent loss of the *critical* functions of the organism as a whole, in response to exceptional cases raised, but this is mostly quibbling. See J. L. Bernat, "Refinements in the Definition and Criterion of Death," in S. J. Youngner, R. M. Arnold, and R. Schapiro, eds., *The Definition of Death: Contemporary Controversies* (Baltimore: Johns Hopkins University Press, 1999): 83-92.
- 25 J. Loeb, *The Organism as a Whole* (New York: G. P. Putnam's Sons, 1916).
- 26 See, for example, the explanation of emergent functions in M. Mahner and M. Bunge, *Foundations of Biophilosophy* (Berlin: Springer-Verlag, 1997): at 29-30.
- 27 J. Korein, "The Problem of Brain Death: Development and History," *Annals of the New York Academy of Sciences* 315 (1978): 19-38. For the most recent refinement of Korein's argument, see J. Korein and C. Machado, "Brain Death: Updating a Valid Concept for 2004," *Advances in Experimental Medicine and Biology* 550 (2004): 1-14.
- 28 I have discussed these three formulations in greater detail in J. L. Bernat, "How Much of the Brain Must Die in Brain Death?" *Journal of Clinical Ethics* 3 (1992): 21-26.
- 29 The text of *Defining Death* makes clear that the President's Commission found an important distinction between brain clinical functions and brain activities. See President's Commission for the Study of Ethical Problems in Medicine and Biomedical and Behavioral Research, *Defining Death: Medical, Legal and Ethical Issues in the Determination of Death* (Washington, DC: U.S. Government Printing Office, 1981): at 28-29.
- 30 Residual EEG activity seen on unequivocally brain dead patients has been described by M. M. Grigg, M. A. Kelly, G. G. Celesia, M. W. Ghobrial, and E. R. Ross, "Electroencephalographic Activity after Brain Death," *Archives of Neurology* 44 (1987): 948-954.
- 31 F. Plum and J. B. Posner, *The Diagnosis of Stupor and Coma*, 3rd ed., (Philadelphia: F. A. Davis, 1980): at 88-101.

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- 35 Conference of Medical Royal Colleges and their Faculties in the United Kingdom, "Diagnosis of Brain Death," *British Medical Journal* 2 (1976): 1187-1188; and C. Pallis, *ABC of Brainstem Death* (London: British Medical Journal Publishers, 1983).
- 36 I have provided more extensive arguments with examples to support this claim in J. L. Bernat, "A Defense of the Whole-Brain Concept of Death," *Hastings Center Report* 28, no. 2 (1998): 14-23 at 18-19.
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- 38 The clinical and confirmatory tests for brain death are described in detail in E. F. M. Wijdicks, "The Diagnosis of Brain Death," *New England Journal of Medicine* 344 (2001): 1215-1221.
- 39 See, for example, R. E. Mejia and M. M. Pollack, "Variability in Brain Death Determination Practices in Children," *JAMA* 274 (1995): 550-553; and M. Y. Wang, P. Wallace, and J. B. Gruen, "Brain Death Documentation: Analysis and Issues," *Neurosurgery* 51 (2002): 731-735.
- 40 D. A. Shewmon, "Chronic 'Brain Death': Meta-analysis and Conceptual Consequences," *Neurology* 51 (1998): 1538-1545.
- 41 E. F. M. Wijdicks and J. L. Bernat, "Chronic 'Brain Death': Metaanalysis and Conceptual Consequences," (letter to the editor) *Neurology* 53 (1999): 1639-1640.
- 42 I defend this claim in J. L. Bernat, "On Irreversibility as a Prerequisite for Brain Death Determination," *Advances in Experimental Medicine and Biology* 550 (2004): 161-167.
- 43 This conclusion was reached by Alexander Capron, the former Executive Director of the President's Commission (see note 10), in A. M. Capron, "Brain Death--Well Settled Yet Still Unresolved," *New England Journal of Medicine* 344 (2001): 1244-1246.
- 44 E. F. M. Wijdicks, "Brain Death Worldwide: Accepted Fact but No Global Consensus in Diagnostic Criteria," *Neurology* 58 (2002): 20-25.
- 45 President's Commission for the Study of Ethical Problems in Medicine and Biomedical and Behavioral Research, *Defining Death: Medical, Legal and Ethical Issues in the Determination of Death* (Washington, DC: U.S. Government Printing Office, 1981): at 72-84.
- 46 Law Reform Commission of Canada, *Criteria for the Determination of Death* (Ottawa: Law Reform Commission of Canada, 1981).
- 47 R. A. Burt, "Where Do We Go from Here?" in S. J. Youngner, R. M. Arnold, and R. Schapiro, eds., *The Definition of Death: Contemporary Controversies* (Baltimore: Johns Hopkins University Press, 1999): 332-339.
- 48 See E. F. M. Wijdicks, *supra* note 5, at 22-23.
- 49 In the early brain death era, commentators asserted that brain death was compatible with the world's principal religions. See F. J. Veith, J. M. Fein, M. D. Tendler, R. M. Veatch, M. A. Kleiman, and G. Kalkines, "Brain Death: I. A Status Report of Medical and Ethical Considerations," *JAMA* 238 (1977): 1651-1655.

- 50 C. S. Campbell, "Fundamentals of Life and Death: Christian Fundamentalism and Medical Science," in S. J. Youngner, R. M. Arnold, and R. Schapiro, eds., *The Definition of Death: Contemporary Controversies* (Baltimore: Johns Hopkins University Press, 1999): 194-209.
- 51 Some Catholic commentators had long claimed that brain death violated Catholic teachings. See P. A. Byrne, et al., *supra* note 7. But in August, 2000, in an address to the 18th Congress of the International Transplantation Society meeting in Rome, the Pope asserted that brain death was fully consistent with Catholic doctrine. For a detailed historical discussion of earlier statements on brain death from Vatican academies, an account of the process of Vatican decision making, and an explanation of the Pope's recent statement, see E. J. Furton, "Brain Death, the Soul, and Organic Life," *The National Catholic Bioethics Quarterly* 2 (2002): 455-470.
- 52 The rabbinic debate is explained in F. Rosner, "The Definition of Death in Jewish Law," in S. J. Youngner, R. M. Arnold, and R. Schapiro, eds., *The Definition of Death: Contemporary Controversies* (Baltimore: Johns Hopkins University Press, 1999): 210-221.
- 53 Saudi Arabia represents a conservative interpretation of Islam and brain death is accepted there. See B. A. Yaqub and S. M. Al-Deeb, "Brain Death: Current Status in Saudi Arabia," *Saudi Medical Journal* 17 (1996): 5-10.
- 54 S. Jain and M. C. Maheshawari, "Brain Death--The Indian Perspective," in C. Machado, ed., *Brain Death* (Amsterdam: Elsevier, 1995): 261-263.
- 55 M. Lock, "Contesting the Natural in Japan: Moral Dilemmas and Technologies of Dying," *Culture, Medicine and Psychiatry* 19 (1995): 1-38.
- 56 See Shewmon, *supra* note 8.
- 57 See Shewmon, *supra* note 40.
- 58 R. M. Taylor, "Re-examining the Definition and Criterion of Death," *Seminars in Neurology* 17 (1997): 265-270.
- 59 I made this point in a review of a pre-publication draft of the Institute of Medicine report. See, Institute of Medicine, *Non-Heart-Beating Organ Transplantation: Practice and Protocols* (Washington DC: National Academy Press, 2000): at 22-24. The same point was made in reference to an earlier publication of the Institute of Medicine in J. Menikoff, "Doubts about Death: The Silence of the Institute of Medicine," *Journal of Law, Medicine & Ethics* 26 (1998): 157-165.

34 JLMEDETH 35

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EXHIBIT N

REVIEW ARTICLES

International perspective on the diagnosis of death

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Editor's key points

- Death can be diagnosed using three different sets of criteria: circulatory, somatic, and neurological.
- These criteria are now robust, specific, and based on scientific principles.
- A diagnosis of death requires irreversible loss of the capacity for consciousness and capacity to breathe.
- Additional minimum observation periods are required to diagnose death using different criteria.

Summary. There is growing medical consensus in a unifying concept of human death. All human death involves the irreversible loss of the capacity for consciousness, combined with the irreversible loss of the capacity to breathe. Death then is a result of the irreversible loss of these functions in the brain. This paper outlines three sets of criteria to diagnose human death. Each set of criteria clearly establishes the irreversible loss of the capacity for consciousness, combined with the irreversible loss of the capacity to breathe. The most appropriate set of criteria to use is determined by the circumstances in which the medical practitioner is called upon to diagnose death. The three criteria sets are somatic (features visible on external inspection of the corpse), circulatory (after cardiorespiratory arrest), and neurological (in patients in coma on mechanical ventilation); and represent a diagnostic standard in which the medical profession and the public can have complete confidence. This review unites authors from Australia, Canada, and the UK and examines the medical criteria that we should use in 2012 to diagnose human death.

Keywords: brain death; cardiopulmonary arrest; death; diagnosis; resuscitation orders

The diagnosis of death is, in most countries, the legal responsibility of a medical practitioner. It marks a point in time after which consequences occur including no medical or legal requirement to provide resuscitation or life-sustaining technologies, loss of personhood, and most individual rights, the opportunity for organ donation and autopsy proceedings, execution of the decedent's legal will, estate and property transfer, payment of life insurance, final disposition of the body by burial or cremation and, of course, religious or social ceremonies to mark the end of a life.¹ Dying, however, is a process, which effects different functions and cells of the body at different rates of decay. Doctors must decide at what moment along this process there is permanence and death can be appropriately declared.

A definition of death, just like a definition of life, continues to elude philosophers. Death can be considered in terms of medical, legal, ethical, philosophical, societal, cultural, and religious rationales. The medical definition of death is primarily a scientific issue based on the best available evidence. There is growing consensus that there is a unifying medical concept of death; all human death is anatomically located to the brain.^{2–9} That is, human death involves the irreversible loss of the capacity for consciousness, combined with the irreversible loss of the capacity to breathe.^{8 10 11} These two essential capacities are found in the brain, particularly the brainstem, and represent the most basic manner in which the human

organism can sense and interact with its environment. Death is a result of the irreversible loss of these functions in the brain; either from an intra-cranial cause such as trauma or haemorrhage, or from an extra-cranial cause such as cardio-respiratory arrest, where impaired cerebral perfusion will culminate in cerebral and brainstem damage.

In this paper, we outline three sets of criteria to diagnose human death. Each set of criteria clearly establishes irreversible loss of the capacity to breathe combined with the irreversible loss of the capacity for consciousness. The most appropriate set of criteria to use is determined by the circumstances in which a medical practitioner is called upon to diagnose death. These three criteria sets are somatic (features visible on external inspection of the corpse such as rigor mortis or decapitation), circulatory, or neurological; and represent a diagnostic standard in which the medical profession and the public can have complete confidence.

For more than 40 yr, medical practitioners have been diagnosing death using neurological criteria. For nearly 200 yr, we have been using the stethoscope, as a technological aid for circulatory criteria, to diagnose the same death. Our understanding and the criteria we use may have evolved, but our duty remains the same, to make a timely diagnosis of death whilst avoiding any diagnostic errors; an obligation medical professionals cannot and should not abdicate. This review unites authors from Australia, Canada, and the UK

and examines the medical criteria that we should use in 2012 to diagnose human death.

A history of diagnosing death

'Have me decently buried, but do not let my body be put into a vault in less than two days after I am dead.'
Alleged dying request of George Washington, 1799.

Humans have long used criteria and technology to assist in the diagnosis of death. Somatic criteria, such as the presence of decomposition and rigor mortis, are the oldest in human history. The link between breath and life is equally as ancient and found in both Genesis (2:7) and the Qur'an (32:9). Shakespeare writes of King Lear requesting a looking-glass, 'If that her breath will mist or stain the stone, why then she lives.' (King Lear Act V Scene III). Feathers and candles were often utilized for a similar purpose.

Other influential proponents of criteria for human death were the twelfth-century rabbi and physician scholar Moses Moimondes, who was the first to argue that a decapitated person was immediately dead, despite the presence of residual movement in the body¹²⁻¹³ and William Harvey, who in the seventeenth century first described the circulation of blood and the function of the heart as a pump and which, under this concept, death was when the heart and circulation stopped.¹⁴

Fears of premature burial appear to have culminated in the eighteenth century, when George Washington made his dying request and Jean-Jacques Winslow in 1740 famously stated that putrefaction is the only sure sign of death. This fear led to the construction of waiting mortuaries and security coffins with alarm mechanisms and permanent air supply.¹⁵ Diagnostic criteria for death were unclear and Egbert Guernsey, writing in the 1853 Homeopathic Domestic Practice, warned against diagnosing death on the basis of cold or pulse or the use of a feather to detect respiration and advocated rigor mortis or its termination as the only safe criteria.¹⁶

A few years before in 1846 Paris, Dr Eugene Bauchut won the Academy of Sciences prize for 'the best work on the signs of death and the means of preventing premature burials'. He advocated the use of the stethoscope, invented in 1819 by René Laennec, as a technological aid to diagnose death.¹⁵⁻¹⁷⁻¹⁸ Several of Bauchut's chief critics were fellow contestants for the prize. They advanced alternate ideas for diagnosing death such as, introducing leeches near the anus, applying specially designed pincers to the nipples, or piercing the heart with a long needle with a flag at the end, which would wave if the heart were still beating. Bauchut believed that if a heartbeat was absent for >2 min, a person could be considered dead. In the face of opposition, he extended the period to 5 min.¹⁸

Case reports from physicians such as Harvey Cushing, writing around the beginning of the twentieth century, had observed that patients with cerebral pathology would die from respiratory arrest and subsequent circulatory collapse.⁶ In the decades that followed, it was proposed that the loss of electrical activity in the brain and cerebral circulatory arrest

might signify human death. With the advent of mechanical ventilation, halting the inevitable circulatory collapse that follows cessation of spontaneous respiration, for the first time in human history, the need to diagnose death using neurological criteria was realized.

In 1959, two landmark accounts were published. First, Pierre Wertheimer's group characterized criteria for the 'death of the nervous system' and a few months later Molaret and Gaulon coined the term *coma dépassé* for an irreversible state of coma and opnoea.¹⁷⁻¹⁹⁻²⁰ These criteria became widely used as an indicator of medical futility and a point at which ventilation could be stopped.

In 1963, the Belgian surgeon Guy Alexandre, using neurological criteria, carried out the first transplantation from a heart-beating donor and in 1967 Christiaan Barnard performed the first heart transplantation (incidentally, a case of donation after circulatory determined death in a patient who satisfied criteria for *coma dépassé*).⁶⁻²⁰ The publication the following year by the *Ad Hoc* Committee of the Harvard Medical School represented the culmination of over a decade of research and debate into neurological criteria for diagnosing death.²¹ Simultaneously, the World Medical Assembly announced the Declaration of Sydney, which differentiated the meaning of death at the cellular and tissue levels from the death of the person and emphasized that the determination of death remained the responsibility of the medical practitioner.²² Clinical, legal, and national codification followed²³⁻²⁶ but vocal opponents to neurological criteria for diagnosing death persist.

In the last decade, the rapid expansion of organ donation from individuals diagnosed deceased using circulatory criteria, known now as donation after circulatory death (DCD), has led to new debate about the definition and determination of death. A unifying medical concept of death, which combines all the previous historical criteria, is emerging.

A unifying medical concept of death

In 2008, the US President's Council on Bioethics explored all the justifications that can be used to define brain death as human death.¹⁰ The President's Council concluded by a majority decision that the best justification for brain death equating to human death is that there is a 'fundamental vital work of a living organism – the work of self-preservation, achieved through the organism's need-driven commerce with the surrounding world' [page 60]. For a human being, this commerce is manifested by the drive to breathe, demonstrating the most basic way a human being can act upon the world, combined with consciousness, or the ability to be open to the world. The irreversible loss of these two functions equates to human death. This conclusion is reflected in a growing consensus that all criteria used to diagnose human death rely upon the demonstration of the irreversible loss of the capacity to breathe, combined with the irreversible loss of the capacity for consciousness.⁴⁻⁸⁻²⁷

Consciousness was defined by William James in 1890 and entails a state of being awake and aware of self and

environment.²⁸ This is manifested by two physiological components: arousal (wakefulness) and awareness. A patient in a persistent vegetative state may lack awareness but demonstrates arousal and cannot be considered deceased. Some argue that the irreversible loss of awareness alone represents the loss of the person and signals human death.^{29 30} The position outlined in this paper, consistent with many other authors and medical bodies, is that any demonstration of arousal or awareness is incompatible with a concept of human death.^{6 8 10 11 31}

The capacity for consciousness and breathing are both functions of the brain and unlike any other organ, the brain is both essential and irreplaceable.

In this respect, all human death is death of the brain; although this should not be taken to imply that neurological criteria is the only criteria appropriate to diagnose death. Rather, death is diagnosed using the most appropriate criteria for the circumstances in which a medical practitioner may be called upon to diagnose it. Three sets of criteria are apparent (Fig. 1) and all can be used to demonstrate the irreversible loss of the capacity for consciousness combined with the irreversible loss of the capacity to breathe. In the community and where death may have occurred hours to days before, somatic criteria will reliably indicate the loss of these two essential capacities. When death is more recent and especially within a hospital setting, death is usually diagnosed by the use of circulatory criteria after cardiorespiratory arrest. It is only within the critical care environment, where mechanical ventilation is used, that the diagnosis of death using neurological criteria is applied.

Diagnosis and confirmation of death using somatic criteria

Somatic criteria for human death are those that can be applied by simple external inspection of the corpse without a requirement to examine for signs of life or evidence of internal organ function. The criteria are historically ancient

and include such signs as rigor mortis, decapitation, and decomposition. Somatic criteria unequivocally indicate irreversible loss of consciousness and irreversible apnoea. Today, ambulance officers and paramedics recognize these criteria, known sometimes as Recognition of Life Extinct (ROLE), where death is so clearly obvious that attempts at resuscitation should not be made (Table 1).³²

Whilst useful in diagnosing death that has occurred some time beforehand, somatic criteria are not practical when death is more recent, considering the importance of a timely diagnosis with its legal and societal implications.

Diagnosis and confirmation of death using circulatory criteria

The simultaneous onset of circulatory arrest, unconsciousness, and apnoea (cardiorespiratory arrest) has long been used as a basis for diagnosing death, both in the hospital and in the community. Within 15 s of absent cerebral circulation consciousness is lost, the EEG becomes iso-electric and apnoea rapidly ensues, if not already present.³³⁻³⁶ Circulatory criteria to diagnose death predict the permanent and irreversible loss of the capacity for consciousness and the capacity to breathe. The criteria are based on the knowledge that the brain suffers anoxic structural damage when the cerebral circulation is halted.

What is perhaps surprising is that until the publication of the Academy of Medical Royal Colleges' Code of Practice in 2008, there was no guidance for doctors in the UK on how to confirm death after cardiorespiratory arrest.³⁷ Before the widespread introduction of DCD, there was less need for prospective criteria, as in practice there was no necessity to confirm death in such a time-critical manner. Neither was it routine practice to test for corneal reflexes or motor responses to supraorbital pressure. In the new more explicit code, the diagnosis of death in patients after cardiorespiratory arrest (circulatory criteria) or for a patient in coma (neurological criteria) are very similar (Table 2), reflecting the concept that all criteria for diagnosing death must

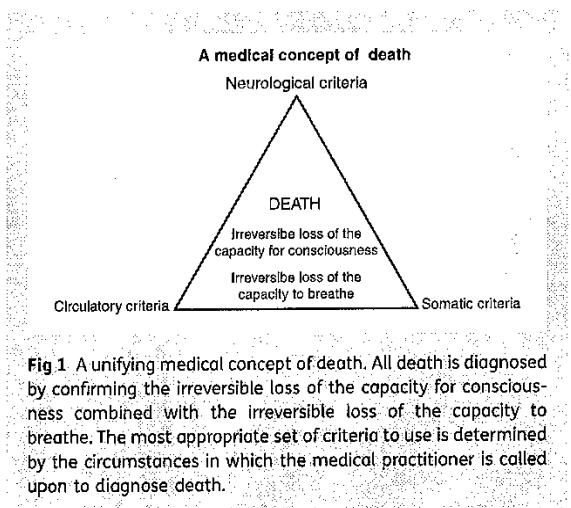


Table 1: Recognition of life extinct: conditions unequivocally associated with death³²

1. Massive cranial and cerebral destruction
 2. Hemicoectomy
 3. Massive truncal injury incompatible with life including decapitation
 4. Decomposition/putrefaction (where tissue damage indicates that the patient has been dead for some hours)
 5. Incineration (the presence of full thickness burns with charring of >95% of the body surface)
 6. Hypostasis (the pooling of blood in congested vessels in the dependent part of the body in the position in which it lies after death)
 7. Rigor mortis (the stiffness occurring after death from the post mortem breakdown of enzymes in the muscle fibres)
- In the newborn, fetal maceration

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demonstrate the irreversible loss of the capacity for consciousness combined with the irreversible loss of the capacity to breathe.

Essential components for diagnosing death using circulatory criteria include an agreement that further resuscitation will not be attempted, a minimum observation period, and a prohibition against activities that might restore the cerebral circulation (Table 3). Table 4 outlines variation in the implementation of circulatory criteria for the purposes of DCD in Australia, Canada, the UK, and the USA.^{8 10 31 38-40} There remains considerable international variation and variation within individual countries.⁴¹

The observation period begins at the time of loss of the circulation, in association with coma and opnoea; the minimum acceptable duration of observation depends on the criterion used for diagnosing death (Table 5).⁴² It is important to note that palpation of the pulse may be insufficient to ensure circulatory arrest as low output circulatory states can persist even when the pulse is impalpable to the clinician. Where the technology is readily available,

monitoring to confirm circulatory arrest is recommended, such as intra-arterial pressure monitoring, electro, or echocardiography. Any return of the circulation or any respiratory activity during this period necessitates a further observation period after subsequent circulatory arrest.

On the basis of Devito's work suggesting that 65 s is the shortest acceptable observation time for the determination of death after cardiorespiratory arrest, surgeons in Denver chose 75 s as their period of observation in paediatric heart DCD.⁴³ For many clinicians and philosophers, and indeed for the authors of this review, an observation period of such a short duration is considered unacceptable.^{44 45} Devito recommended 2 min as a safe observation time and many institutions in Australia and in the USA have adopted this as a minimum standard for DCD.^{31 42} Canada and the UK have adopted a more conservative 5 min standard,^{8 39} while in Italy 20 min is required.⁴⁶

The Lazarus phenomenon of auto-resuscitation, as described in the literature, appears to occur only in the context of failed or inadvertently continued CPR (e.g. continuing mechanical ventilation in a patient declared 'dead') and not after the planned withdrawal of life-sustaining treatment.⁴⁷ A recent systematic review could identify only eight cases of return of spontaneous circulation with ECG monitoring and exact times recorded, all followed failed CPR; in one case return of spontaneous circulation occurred at 3 min, in six cases at 5 min and in one case (from 1996) at 7 min.⁴⁸

Since death after failed CPR is often diagnosed after extremely short observation periods, codes of practice that insist on a defined observation period and a specific set of clinical observations are likely to increase the certainty and confidence in the diagnosis of death and reduce the rare cases of wrong diagnosis.⁴⁹ The practice of switching monitors off as soon as resuscitation is abandoned is no longer acceptable.

Areas of contention

The requirement of a short warm ischaemic time for successful transplantation after DCD has brought circulatory

Table 2 Similarity within the UK Code of Practice (2008) for the diagnosis of death after cardiorespiratory arrest and in a patient in a coma⁸

Diagnosing and confirming death after cardiorespiratory arrest (circulatory criteria)	Diagnosis and confirmation of death in a patient in a coma (neurological criteria)
<i>Demonstration of loss of the capacity for consciousness</i>	
Absence of the pupillary response to light	Absence of the pupillary response to light
Absence of the corneal reflex	Absence of the corneal reflex
Absence of any motor response to supra-orbital pressure	Absence of any motor response to supra-orbital pressure
<i>Demonstration of loss of the capacity to breathe</i>	
Five minutes observation of maintained cardiorespiratory arrest	Five minutes apnoea test to demonstrate no spontaneous respiratory effort

Table 3 Essential components for the diagnosis of death using circulatory criteria after cardiorespiratory arrest^{8 9 27}

Component	Explanation
1. A clear intention not to attempt cardiopulmonary resuscitation (CPR) in order to restore circulation, and therefore cerebral, function	An exclusion of indications to commence or continue CPR. This may be because there has been a decision not to perform CPR, or a decision after unsuccessful CPR that further attempts are futile. Importantly, contributory causes to any cardiorespiratory arrest (e.g. hypothermia ≤34°C, endocrine, metabolic, or biochemical abnormality) should be considered and treated, if appropriate, before diagnosing death
2. An observation period to confirm continuous apnoea, absent circulation, and unconsciousness; after which the likelihood of spontaneous resumption of cardiac function will have passed	After this observation period the circulation will not spontaneously return and the inevitable anoxic ischaemic injury to the brain, that follows the loss of the cerebral circulation, will continue unabated. There is international variation in the length of observation period required to establish safe practice
3. The prohibition at any time of any intervention that might restore cerebral blood flow by any means	Were cerebral circulation to be reestablished, the diagnosis of death using circulatory criteria would be invalidated

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Table 4. Variation in the implementation of circulatory criteria to diagnose death in Australia, Canada, the UK, and the USA

Guidance to be used in	Australia ^{31, 38}		Canada ³⁹		The UK ⁸		The USA ^{10, 40}	
	DCD	DCD	DCD	DCD	Any death after cardiorespiratory arrest.	DCD	DCD	
Any specific concept	Cessation of circulation is the basis for the declaration of death		The fact of death shall be determined in accordance with 'accepted medical practice'		The individual should be observed to establish that irreversible cardiorespiratory arrest has occurred		Irreversible should be understood as, cessation of circulatory and respiratory functions under conditions in which those functions cannot return on their own and will not be restored by medical interventions	
Medical personnel who can confirm death	Intensivist recommended, or other nominated doctor who is not a member of the organ retrieval or transplantation teams		Two physicians required. The physician present during the 5-min period of continuous observation and who makes one of the determinations of death must be a staff physician with the requisite skill and training		No specific recommendation		No specific recommendation	
Observation period	2-5 min (not <2 min and not more than 5 min)		5 min		5 min		2-5 min (Institute of Medicine recommends 5 min)	
Examination	Death should be determined on the basis of immobility, apnoea, absent skin perfusion and the absence of circulation. The absence of circulation is determined by clinical means and preferably supplemented with intra-arterial pressure monitoring		Beginning with the onset of circulatory arrest, there must be a 5-min period during which the absence of palpable pulses, blood pressure, and respiration are continuously observed by at least one physician. Death is determined by two physicians by documenting the absence of palpable pulses, blood pressure and respiration on completion of this 5-min period		Demonstration of apnoea and unconsciousness in the absence of the circulation by clinical examination. Supplemented in some hospital settings with ECG, pulsatile flow on an arterial line or contractile activity on echocardiography. Additionally, after 5 min of continued cardiorespiratory arrest the absence of the pupillary responses to light, the corneal reflexes, and any motor response to supra-orbital pressure should be confirmed		Institute of Medicine recommends ECG and arterial pressure monitoring	
Warnings	After death, the retrieval team may re-intubate to prevent aspiration and ensuing pulmonary damage. Insufflation with 100% oxygen is permissible. Procedures that may inadvertently restore cerebral circulation, myocardial perfusion or oxygenation, such as cardiac compressions and mechanical ventilation, are to be avoided until after the commencement of organ retrieval surgery		Interventions that may re-institute cerebral perfusion and oxygenation after the fact of death should not be performed		It is obviously inappropriate to initiate any intervention that has the potential to restore cerebral perfusion after death has been confirmed		Attempting to revive such a patient would be ruled out ethically	

Table 5 Observation times, which might theoretically be used to diagnose death in humans using circulatory criteria after cardiorespiratory arrest. [Adapted from DeVita using his table and text (used with permission).]^{4,2}

Theoretical observation time	Point of diagnosis	Explanation
0	Patient not dead	Time of cessation of circulation, respiration, and responsiveness
15 s	Brain activity ceases, spontaneous recovery possible	Flat electroencephalogram
65 s	Shortest acceptable observation time for determination of death	Longest duration of observed absence of cardiopulmonary function followed by spontaneous recovery of circulation
11 min	Shortest acceptable observation time for determination of death if criterion is impossibility of restarting whole brain function	Successful resuscitation and restoration of normal cerebral function in laboratory animals
60 min	Shortest acceptable observation time for determination of death if criterion is impossibility of restoring some brain activity	Last point at which the brain may be stimulated and respond
Hours	Shortest acceptable observation time for determination of death if criterion is impossibility of restoring cardiac activity	Heart may still resume function in laboratory or transplant setting

criteria for the diagnosis of death into sharp focus.^{10 44 50-52} If death is the irreversible loss of the capacity for consciousness, combined with the irreversible loss of the capacity to breathe, then what is the required observation period using circulatory criteria that will ensure irreversibility? If an observation period of 2-5 min is used to confirm continuous cardiorespiratory arrest, then neither the heart nor the brain can be considered completely and irreversibly structurally damaged. At this point, CPR can restore function.^{50 53-55} This has led to the claim that DCD violates the dead donor rule (persons must be dead before their organs are taken), since irreversibility cannot be established within the time frames required for successful donation.⁵⁶⁻⁵⁸

The counter argument is that death diagnosed using circulatory criteria rests on the intention not to attempt CPR and not a literal definition of 'irreversible', that is a circulation that cannot be restored using any currently available technology. To insist on the latter standard would ignore how death is diagnosed every day in every hospital worldwide. Unless one is prepared to undertake open cardiac massage and direct cardiac defibrillation before diagnosing anyone in hospital as dead, we cannot know that the heart has irreversibly ceased. DeVita's work suggests that if a literal definition of irreversible is used, where function cannot be restored by any known technology, then for the brain this would be 1 h of cerebral circulatory arrest, whilst for the heart it would be many hours. This would lead to a death watch in which there would be no place for a stethoscope and modern medicine would be turned back 150 yr, to a time when only the satisfaction of somatic criteria, such as rigor mortis, was widely accepted, yet still not publicly trusted.

A North American collaboration of authors⁹ suggested that a better term for the cessation of function, which allows death to be diagnosed by circulatory criteria, is 'permanent'. Permanent is a contingent and equivocal condition that admits possibility (the restoration of the circulation) and

relies on intent, a clear intention not to attempt CPR and the prohibition at any time of any action that might restore cerebral blood flow.

Diagnosis and confirmation of death using neurological criteria

The neurological determination of death utilizes clinical criteria for confirming death in profound coma when cardiorespiratory activity is being maintained by continued mechanical ventilation. Essential components for diagnosing death using neurological criteria are outlined in Table 6. There is international acceptance and legal support for neurological criteria to determine death in this circumstance and there has been little substantial change to the criteria in nearly 40 yr.^{8 10 21 23 24 26 31 59-63} although there is some variation in implementation in different countries (Table 7).

When the essential components are carried out with appropriate diligence and by appropriately trained clinicians, neurological criteria has a certainty equal to that of the other two criteria outlined in this paper.⁶³⁻⁶⁷

Areas of contention

Recovery after a diagnosis of 'brain death'

Three recent case reports of transient return of some neurological function after a diagnosis of death using neurological criteria (Table 8)⁷⁰⁻⁷² have led some clinicians to question the reliability of clinical testing. A recent (2010) systematic review in adults could find no published reports of recovery of neurological function.⁶³ These three new cases must be seen in the following contexts: 40 yr of diagnosing death using neurological criteria, 10 000 confirmed diagnoses in the UK alone over the last decade, and patients (particularly in countries like Japan) being maintained on mechanical ventilation for prolonged periods after satisfying neurological criteria for death and yet not regaining brain function. This history tells us that the diagnostic standard for death

Table 6 Essential components for the diagnosis of death using neurological criteria

Component	Explanation
(1) An established aetiology capable of causing structural damage to the brain which has led to the irreversible loss of the capacity for consciousness combined with the irreversible loss of the capacity to breathe	There should be no doubt that the patient's condition is due to irreversible brain damage of known aetiology With some diagnoses a more prolonged period of continued clinical observation and investigation is required to be confident of the irreversible nature of the prognosis, e.g. anoxic brain injury, isolated brainstem lesions (in the UK)
(2) An exclusion of reversible conditions capable of mimicking or confounding the diagnosis of death using neurological criteria	Pharmaceutical agents (both cerebral depressant and neuromuscular), and temperature, cardiovascular, endocrine and metabolic disturbances, which might be contributing to the unconsciousness and apnoea, must be excluded
(3) A clinical examination of the patient, which demonstrates profound coma, apnoea and absent brainstem reflexes	The patient must have a persisting Glasgow Coma Score of 3 demonstrating the functional loss of the reticular activating system and any other centres of consciousness A formal apnoea test demonstrating the lack of the capacity to breathe, and thereby the functional loss of the respiratory centres located in and associated with the medulla oblongata. The apnoea test is preferably carried out after the examination of brain stem reflexes The cranial nerves (with the exception of I, II and the spinal component of XI) originate in the brainstem and the demonstration of their functional loss confirms the widespread damage to the brainstem and by association, the reticular activating system and medulla oblongata. All of the following brainstem derived cranial nerve reflexes are examinable and must be demonstrated to be absent: <ul style="list-style-type: none"> • Pupils should be fixed in diameter and unresponsive to light (Cranial Nerves II, III) • Nystagmus or any eye movement should not occur when each ear is instilled with ice cold water. Each ear drum should be clearly visualized before the test (Vestibulo-ocular reflex—Cranial Nerves III, IV, VI, VIII) • There should be no corneal reflex (Cranial Nerves V, VII) • There should be no facial or limb movement when supraorbital pressure is applied (Cranial Nerves V, VII) • There should be no gag reflex following stimulation to the posterior pharynx or cough reflex following suction catheter passed into the trachea (Cranial Nerves IX, X)

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confirmed using neurological criteria is safe. Certain well-publicized reports of supposed survival after a diagnosis of 'brain death' have reflected either a misunderstanding of the concept⁷³⁻⁷⁵ or a failure to follow criteria such as those outlined in this paper.⁷⁶

These three case reports emphasize the absolute importance of the preconditions required for a diagnosis of death using neurological criteria. These include establishing an aetiology capable of causing structural damage to the brain sufficient to result in the irreversible loss of the capacity for consciousness combined with the irreversible loss of the capacity to breathe; and an exclusion of reversible conditions capable of mimicking or confounding the diagnosis of death using neurological criteria.

It is well known that a longer period of observation is required to establish irreversibility in the face of anoxic ischaemic brain injury and especially now that therapeutic

hypothermia is being applied more commonly, though the appropriate length for this extended observation remains unclear.^{8 63} If there is any doubt over the irreversibility of the brain injury, the clinician should observe the patient for an extended period or use a cerebral blood flow investigation, to clearly establish irreversibility.

The role of confirmatory investigation

Confirmatory investigations are not routinely required in most jurisdictions for the diagnosis of death using neurological criteria,^{8 10 11 31 77} though in some countries they are required by law.⁷⁸ They may be useful however where it is not possible to fully satisfy the 'Essential Components for the Diagnosis of Death using Neurological Criteria' (Table 5). For example, where a primary metabolic or pharmacological derangement cannot be ruled out, or in cases of high cervical

Table 7 Variation in the implementation of neurological criteria to diagnose death in Australia, Canada, the UK, and the USA

	Australia ³¹	Canada ¹¹	The UK ⁸	The USA ^{10, 63}
Concept	Brain death requires that there is unresponsive coma, the absence of brainstem reflexes, and the absence of respiratory centre function, in the clinical setting in which these findings are irreversible Brain death is determined by: clinical testing if preconditions are met; or imaging that demonstrates the absence of intracranial blood flow. However, no clinical or imaging tests can establish that every brain cell has died.	Brain death is defined as the irreversible loss of the capacity for consciousness combined with the irreversible loss of all brainstem functions including the capacity to breathe	When the brainstem has been damaged in such a way, and to such a degree, that its integrative functions (which include the neural control of cardiac and pulmonary function and consciousness) are irreversibly destroyed, death of the individual has occurred	If there are no signs of consciousness and if spontaneous breathing is absent and if the best clinical judgement is that these neurophysiological facts cannot be reversed, a once-living patient has now died
Aetiology	Evidence of sufficient intracranial pathology to cause whole brain death. Brain death cannot be determined when the condition causing coma and loss of all brainstem function has affected only the brainstem, and there is still blood flow to the supratentorial part of the brain.	Established aetiology capable of causing neurological death	There should be no doubt that the patient's condition is due to irreversible brain damage of known aetiology	Establish irreversible and proximate cause of coma
Minimum observation period before clinical testing	4 h In cases of acute anoxic-ischaemic brain injury, clinical testing for brain death should be delayed for 24 h subsequent to the cardiorespiratory arrest.	There must be definite clinical or neuro-imaging evidence of an acute central nervous system event consistent with the irreversible loss of neurological function Any time after exclusion of confounders. In cases of acute anoxic-ischaemic brain injury, clinical evaluation should be delayed for 24 h subsequent to the cardiorespiratory arrest or an ancillary test could be performed	Left to the clinician to be satisfied that the patient's condition is due to irreversible brain damage of known aetiology	The cause of coma can usually be established by history, examination, neuroimaging, and laboratory tests Left to the clinician to be satisfied that an appropriate period of time has passed since the onset of the brain insult to exclude the possibility of recovery

Continued

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Table 7 Continued

	Australia ³¹	Canada ¹¹	The UK ⁸	The USA ^{10, 63}
Medical personnel who can confirm death	Two medical practitioners and experience varies between each state in Australia	Recommended minimum level of physician qualification is full and current for independent medical practice in the relevant Canadian jurisdiction and possessing skill and knowledge in the management of patients with severe brain injury and in the neurological determination of death	Two medical practitioners who have been registered for > 5 yr and are competent in the conduct and interpretation of brainstem testing. At least one of the doctors must be a consultant	Legally, all physicians are allowed to determine brain death in most US states. It seems reasonable to require that all physicians making a determination of brain death be intimately familiar with brain death criteria and have demonstrated competence in this complex examination
Repetition of tests	Each medical practitioner must separately carry out a clinical examination, in order that the doctors and the tests are seen to be truly independent The tests may be done consecutively but not simultaneously	Two clinical tests at no fixed interval, one apnoea test if performed concurrently with both physicians present. If performed at different times, a full clinical examination including the apnoea test must be performed, without any fixed examination interval, regardless of the primary aetiology	Testing should be performed completely and successfully on two occasions with both doctors present	Perform one neurologic examination (sufficient to pronounce brain death in most US states) Some US state statutes require two examinations
Apnoea test	Apnoea must persist in the presence of an adequate stimulus to spontaneous ventilation, i.e. an arterial P_{aO_2} > 60 mm Hg (8 kPa) and an arterial $pH < 7.30$. The period of observation to achieve an adequate threshold of stimulus of the respiratory centre is variable	Thresholds at completion of the apnoea test: P_{aO_2} \geq 60 mm Hg (8 kPa) and \geq 20 mm Hg (2.7 kPa) above the pre-apnoea test level and $pH \leq 7.28$ as determined by arterial blood gases	P_{aO_2} > 6.0 kPa (45 mm Hg) and $pH < 7.4$ before disconnection from mechanical ventilation followed by 5 min of observed apnoea, confirming the P_{aO_2} has increased by more than 0.5 kPa (4 mm Hg)	No respiratory movements for 8–10 min and arterial P_{aO_2} is \geq 60 mm Hg (8 kPa) or there is a 20 mm Hg (2.7 kPa) increase in arterial P_{aO_2} over a baseline normal arterial P_{aO_2}
Role of confirmatory investigation	If clinical testing cannot be relied upon because preconditions are not met, absence of intracranial blood flow is diagnostic	An ancillary test should be performed when it is impossible to complete the minimum clinical criteria	In instances where a comprehensive neurological examination is not possible, where a primary metabolic or pharmacological derangement cannot be ruled out or in cases of high cervical cord injury	When uncertainty exists about the reliability of parts of the neurologic examination or when the apnoea test cannot be performed. In some protocols, ancillary tests are used to shorten the duration of the observation period
Recommended confirmatory investigation	Demonstration of absence of intracranial blood flow. Four-vessel angiography and radionuclide imaging are the preferred imaging techniques for assessing intracranial blood flow	Demonstration of the global absence of intracerebral blood flow. EEG is no longer recommended	Nil specifically recommended	EEG, nuclear scan, or cerebral angiogram, are considered the preferred tests

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Table 8 Key facts in the three recent case reports of return of neurological function after a diagnosis of death using neurological criteria

	Case 1 ⁷⁰	Case 2 ⁷⁰	Case 3 ^{71, 72}
Country of origin	Canada	Canada	USA
Aetiology of neurological injury	Unilateral space occupying lesion caused by temporal lobe abscess with surrounding vasogenic oedema (<i>Escherichia coli</i> isolated in blood)	Traumatic brain injury after a fall with associated pulseless electrical activity requiring advanced cardiac life support for 5 min	Pulseless electrical activity, preceded by respiratory arrest, requiring advanced cardiac life support for 20 min
Time from onset of profound coma, absent brainstem reflexes and apnoea, until clinical examination for death using neurological criteria	7 h	6 h	Unclear, maximum of 16 h since last documented presence of brain stem reflexes (72 h from aetiology)
Potential confounders to the diagnosis of death using neurological criteria	Chronic otitis media and acute mastoiditis that may have interfered with vestibulo-ocular testing	Anoxic brain injury	Propofol and fentanyl (14 mg in total) infusions, in the setting of renal and hepatic dysfunction and therapeutic hypothermia, were ceased 22 h before testing. Normothermia ($\geq 37^{\circ}\text{C}$) restored 16 h before testing
Seniority and speciality of clinicians performing the testing	Intensivist and neurosurgeon	2 intensivists	2 neurologists
Number of clinical examinations	2	2	2
Number of apnoea tests	1	1	1
Apnoea test duration	10 min	8 min	10 min
Other investigations	MRI performed 2 h after diagnosis of brain death, which demonstrated preserved intracranial arterial flow	Cerebral radionuclide angiogram after the diagnosis of brain death, demonstrated intracranial arterial flow	EFG before testing revealed no discernible cerebral electrical activity but frequent myoclonic activity obscured the tracing
Reversal of the diagnosis of death using neurological criteria	Return of respiration 28 h after the onset of coma. No return of brainstem reflexes	Return of respiration 11 h after the onset of coma. No return of brainstem reflexes	Return of respiration and brainstem reflexes 26 h after the first clinical examination consistent with brain death. Repeat EEG still demonstrated no discernible cerebral electrical activity
Patient outcome	Repeat MRI demonstrated absence of intracranial venous outflow. After 5 days the spontaneous respirations decreased and cardiovascular collapse ensued	Withdrawal of life sustaining treatment after family discussion	Loss of brainstem function on repeat clinical examination 73 h after the first clinical examination consistent with brain death and confirmed with bi-lateral median somatosensory-evoked potentials, MRI and technetium-based dynamic nuclear medicine cerebral blood flow study

Table 9 Confirmatory investigations commonly in use internationally to aid the diagnosis of death using neurological criteria⁶ p 20 31 79 81-83

Confirmatory Test	Description	Advantages	Disadvantages
Loss of bioelectrical activity Electroencephalography (EEG)	16-18 channel instrument with recordings over at least 30 min	Long history of ancillary use in diagnosing brain death Portable	Artifacts from intensive care environment common Limited use in setting of sedation Cortical activity rather than deep cerebral activity
Evoked potentials	Visual, auditory, somatosensory, and multi-modal	Portable Less resistant to sedation compared with EEG	Restricted availability Complex interpretation. Testing of isolated neural tracts
Cessation of cerebral circulation Four-vessel intra-arterial catheter angiography	Direct injection of contrast medium into both carotid arteries and both vertebral arteries	Direct visualization of cerebral blood flow Current gold standard	Invasive Not portable Risk <1%
Contrast computed tomography angiography (CTA)	CT indicators are: absent enhancement bilaterally of the middle cerebral artery cortical branches (beyond the Sylvian branches), P2 segment of the posterior cerebral arteries, pericallosal arteries and internal cerebral veins; in the presence of contrast enhancement of external carotid arteries	Readily available Rapid acquisition Growing literature base Can be combined with perfusion studies	Not portable
MR angiography (MRA)	Magnetic resonance imaging with contrast enhanced angiography	Can be combined with perfusion studies	Not portable Restricted availability Requires dedicated MR-safe anaesthetic equipment Slow
Single photon emission computed tomography (SPECT) Positron emission tomography (PET)	Imaging of brain tissue perfusion using a tracer isotope (e.g. ^{99m} Tc-hexamethylpropyleneamine oxime (HMPAO)) Imaging of brain with biologically active positron-emitting nuclides (e.g. fluorine-18 fluorodeoxyglucose)	Images brain perfusion Quantitative Can assess brain metabolism	Restricted availability Restricted availability Not portable
Transcranial Doppler	Doppler measurement of middle cerebral artery velocity and direction through the temporal bone	Portable Non-invasive Rapid	Operator dependent Many consider unreliable

cord injury preventing the formal assessment of the irreversible loss of the capacity to breathe secondary to functional and structural damage to the brainstem, or if extensive facial injuries prevent a full neurological examination of the brainstem reflexes. In such cases, confirmatory investigation may reduce uncertainty, facilitate a more timely diagnosis of death, or assist in the diagnosis of complex cases as discussed above.

Any investigation should always be considered as additional to a full clinical assessment of the patient, conducted to the best of the clinician's ability in the given circumstances. The clinician must take into account the potential for error and misinterpretation with all the known confirmatory investigations, especially by investigators with limited experience in their use and because the investigations are often being utilized in difficult clinical circumstances.^{62 79 80} A comparison of confirmatory investigations in common use internationally is given in Table 9.^{6 8 20 31 79 81-83}

The use of confirmatory tests to demonstrate the loss of bioelectrical activity in the brain, particularly the EEG, is often problematic. It is in the very conditions where confirmatory investigation may be useful, such as where a primary metabolic or pharmacological derangement cannot be ruled out, where the EEG is least helpful.⁷⁹ The common techniques used to demonstrate complete cessation of cerebral circulation include four vessel cerebral angiography (the gold standard), CT angiography, MR angiography, radionuclide imaging, and transcranial doppler. The latter suffers from significant operator dependence. If these investigations demonstrate residual cerebral circulation, a longer clinical observation period or a repetition of the test will be required to establish the diagnosis.

Brainstem vs whole brain formulations of 'brain death'

The irreversible loss of consciousness combined with the irreversible loss of the capacity to breathe can all be accounted for by structural damage to the brainstem. As has been shown above, demonstration of structural and functional damage to the brainstem is essential to the neurological criteria for confirming death and essential to every country's current guidelines and practice.

The UK, Indian, and Canadian practices are similar in accepting a determination based on brainstem function.^{8 11 84} In many other parts of the world, the diagnosis of death using neurological criteria is based on a whole brain concept, which suggests a loss of all functions of the brain.^{10 31} This difference in international practice is less than it first appears. Diagnosing death using neurological criteria in isolated brainstem injuries is extremely rare because such conditions are rare and present considerable uncertainty with regards to irreversibility (an essential component of neurological criteria). In other countries, despite having a whole brain concept of death, a clinical examination (virtually identical around the world) is usually all that is required for the diagnosis, provided the usual preconditions are satisfied and the aetiology of the structural damage to the brain is not isolated to the brainstem.

The preservation of spinal, autonomic, and integrative bodily function

The preservation of spinal and autonomic (cardiovascular) function and reflexes after the diagnosis of death using neurological criteria has led to concern by some clinicians that this residual function represents evidence for continued or potential consciousness.^{85 86} There is overwhelming evidence that continued spinal cord activity, including complex withdrawal movements, is possible and indeed expected after a diagnosis of death using neurological criteria.^{53 68 87 88} Likewise, there is increasing knowledge regarding the complex integration of the autonomic nervous system at the spinal cord level, including cardiovascular responsiveness to peripheral stimulation.⁸⁹⁻⁹³ The continued secretion of pituitary hormones observed in some cases of confirmed 'brain death' is not a surprise, since anatomically the posterior pituitary and, to a lesser degree the anterior pituitary (indirect partial supply via short portal vessels), is supplied by the inferior hypophysial artery, which is extra-dural in origin.^{10 20 94-97}

EEG monitoring during organ retrieval has failed to demonstrate any cerebral activity during organ retrieval⁹⁸ and any 'anaesthesia' during organ retrieval is for the maintenance of physiologic stability, neuromuscular block, and possibly ischaemic preconditioning of the retrieved organs, not for the benefit of the deceased patient.⁹⁹

Philosophical and religious criticism

Critics of neurological criteria for the diagnosis of human death fall into three broad groups:

- (i) those who wish to see the abandonment of the dead donor rule (persons must be dead before their organs are taken), for the apparent purpose of expanding the potential donor pool to include those in minimal conscious states or at the end of life;¹⁰⁰⁻¹⁰⁴
- (ii) those who hold to the philosophical belief that loss of personhood equates to human death, sometimes referred to as a higher brain concept of brain death, which would allow donation from patients in vegetative states or with anencephaly;^{30 105} and
- (iii) those who believe that locating human death to functions in the brain is reductionist and does not accord the body sufficient dignity.^{12 106-108} Many religious writers fall into this latter category.

We believe the neurological criteria, as outlined above, represent international practice in which the medical profession and the public can have complete confidence. 'In comparison the diagnosis of vegetative states fails to satisfy both a timely diagnosis and a specific one, and no robust criteria exist for the irreversible loss of personhood'.

Conclusions

Criteria are best understood as pragmatic deductions of the truth, a truth that we can never fully know in medicine because our knowledge and understanding is always

increasing. This should not make us feel wary about using criteria to make diagnoses even in such important areas as death. Criteria are the foundation of all diagnoses, from myocardial infarction to microbiology. One should however be always mindful of a diagnostic criterion's sensitivity and specificity. The criteria we use to diagnose human death, which demonstrate the irreversible loss of the capacity for consciousness combined with the irreversible loss of the capacity to breathe, have an unequalled specificity in modern medicine. This is just as well, as this is the standard expected by society.

Using either somatic, circulatory, or neurological criteria to diagnose death as outlined above, the medical practitioner can be sure that, in 2012, he or she is maintaining an exemplary standard by using criteria that are international, ethically substantial, and supported by sound scientific and physiological rationale.

Declaration of interests

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NOTICE OF ERRATA

TO THE COURT AND THE ATTORNEYS OF RECORD:

Please take notice that an attachment is missing from Court Document 3 in the above-captioned case as more fully described in the declaration immediately below.

DECLARATION OF KEVIN SNIDER

I, Kevin Snider, declare as follows:

1. I am an attorney admitted to this Court and serve as counsel of record in the above-captioned case. If called upon, I could and would testify truthfully, as to my own personal knowledge, as follows:

2. On April 28, 2016, I caused to be filed the Declaration of Alexandra Snyder (Court Document 3). Said declaration was filed in support of the application for a temporary restraining order.

3. Ms. Snyder’s declaration lists three documents, including the Declaration of Angela Clemente. All three documents were to be attached to Ms. Snyder’s declaration. Upon review of the file, I have discovered that Ms. Clemente’s declaration was apparently not attached. This was done in error.

4. Accompanying this declaration is a true and correct copy of the above-described missing declaration.

I declare under penalty of perjury under the laws of the State of California that the foregoing is true and correct. Executed this 29th day of April, 2016, County of Sacramento, City of Ranch Cordova, California.

S/ Kevin Snider
Kevin Snider, attorney for Plaintiffs

DECLARATION OF ANGELA CLEMENTE

I, Angela Clemente, declare and state the following:

1. I am currently leading the coordination of the transfer of care for Israel Elijah Stinson's transfer from Roseville Kaiser Woman and Children's Center to a home setting that will be medically equipped for his specialized needs located in New Jersey.
2. I am a Forensic Intelligence Analyst/Congressional Consultant and Paralegal with twenty years experience in Pathology, Clinical Laboratory and Emergency Medicine. I have worked extensively on cases with severe brain injuries.
3. Since 2008 I have been the leading coordinator in the United States for this type of delicate and specialized transfer of care specifically handling the state to state transfers of adults and children with varying degrees of medical fragility to include a vast majority of our patient-clients who have been given the criteria of "brain death."
4. I became aware of and urgently requested to help with this case on Wednesday April 20, 2016 at around 12:30am and the following day I enlisted my team of highly skilled medical and legal experts.
5. We immediately put in place a Medical Life Flight on standby that is able to accommodate the intensive medical needs of Israel. The medical life flight can accommodate 1-2 family members, the patient and up to three medical professionals for his care. The flight includes ground transportation both from the releasing facility to the Medical Life Flight and then by ground ambulance to the receiving home for long term care.
6. Our team is also helping the family and their attorney in coordinating and implementing a long-term care plan that will help them in transitioning to New Jersey for their permanent residency. This comprehensive plan will include

providing Israel and his immediate family with consulting services that will help them to receive expedited medical benefits, certified and licensed medical staff that will be needed for this child's immediate care upon arrival, coordinating help with providing his in-home medical equipment, housing and transportation needs for the family and any additional social service type of programs needed for this family.

7. It is most imperative for this child's well being that the family not have any barriers for their child's current medical needs to transition into a smooth and coordinated release from Roseville Kaiser Woman's and Children's center.

8. The current time provided to me in coordinating this complex type of transfer (which I have handled throughout the United States for years) is severely compromised because of the extremely limited time barrier. This type of coordinated effort would require at minimum 7 to 10 business days and an effort on the releasing hospital's part for the medically appropriate procedures needed for transfer of care for this patient.

9. We are willing to assist this family with the full scope of our services and continue the coordinated effort but given our experience with our previous cases that have the "brain death" determination it is imperative that the family be provided appropriate time for our team to coordinate this as we would in all other cases of similarly complex nature.

I declare under penalty of perjury that the foregoing information is true and correct.
Executed this 27th day of April, 2016 under penalty of perjury pursuant to the laws of the State of California.

Angela Clemente

Angela Clemente

1 **TO THE COURT AND PARTIES OF RECORD:**

2 Please take notice that the Plaintiff, Jonee Fonseca, will be present and
3 available to testify at the hearing scheduled for May 2, 2016, in Courtroom 3 before
4 the honorable Kimberly J. Mueller.

5 In addition to any testimony that the Court may allow, Ms. Fonesca will be
6 available to authenticate two videos of her son, Israel Stinson, taken after his
7 placement on life support. Said videos can be viewed at:

8 <https://youtu.be/BhgGSjbb08Y>

9 https://youtu.be/Zk6XvuM_4Uw

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S/ Kevin Snider
Kevin Snider, attorney for Plaintiffs

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NOTICE OF AVAILABILITY OF PLAINTIFF TO TESTIFY

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UNITED STATES DISTRICT COURT
EASTERN DISTRICT OF CALIFORNIA

JONEE FONSECA, an individual parent
and guardian of ISRAEL STINSON, a
minor Plaintiff,

Plaintiffs,

v.

KAISER PERMANENTE MEDICAL
CENTER ROSEVILLE, DR. MICHAEL
MYETTE M.D. and DOES 1 through 10,
inclusive,

Defendants.

Case No. 2:16-cv-00889-TLN-EPG

ORDER

Pursuant to Rule 65(b) of the Federal Rules of Civil Procedure, Plaintiff Jonee Fonseca, an individual parent and guardian of Israel Stinson, a minor, (“Plaintiff”) filed an application for a temporary restraining order and injunctive relief. (ECF No. 1.)

“A plaintiff seeking a preliminary injunction must establish [1] that he is likely to succeed on the merits, [2] that he is likely to suffer irreparable harm in the absence of preliminary relief, [3] that the balance of equities tips in his favor, and [4] that an injunction is in the public interest.” *Winter v. Natural Res. Def. Council, Inc.*, 555 U.S. 7, 20 (2008). A plaintiff must “make a showing on all four prongs” of the *Winter* test to obtain a preliminary injunction. *Alliance for the Wild Rockies v. Cottrell*, 632 F.3d 1127, 1135 (9th Cir. 2011). In evaluating a plaintiff’s motion for

1 preliminary injunction, a district court may weigh the plaintiff’s showings on the *Winter* elements
 2 using a sliding-scale approach. *Alliance for the Wild Rockies v. Cottrell*, 632 F.3d 1127, 1135
 3 (9th Cir. 2011). A stronger showing on the balance of the hardships may support issuing a
 4 preliminary injunction even where the plaintiff shows that there are “serious questions on the
 5 merits . . . so long as the plaintiff also shows that there is a likelihood of irreparable injury and
 6 that the injunction is in the public interest.” *Id.*

7 Here, although the Court has not yet determined whether a substantial likelihood of
 8 success on the merits of its claims exists against Defendants Kaiser Permanente Medical Center
 9 Roseville, Dr. Michael Myette, and DOES 1–10 (“Defendants”), the Court finds that Plaintiff has
 10 demonstrated that, without an order from this Court, she will suffer irreparable harm and that the
 11 balance of hardships strongly favors Plaintiff. Accordingly, the Court finds that it is in the public
 12 interest to issue a temporary restraining order until such time as the Court may hold a hearing on
 13 this matter. The Court hereby ORDERS the parties to appear before this Court on MONDAY,
 14 MAY 2, 2016 AT 1:30 p.m. for a hearing on this matter.

15 The Court hereby further ORDERS as follows:

- 16 a. Defendants shall be restrained from removing ventilation from Plaintiff Israel
 17 Stinson;
- 18 b. Defendant Kaiser Permanente Medical Center Roseville shall continue to be
 19 legally responsible for Plaintiff Israel Stinson’s care and treatment;
- 20 c. Defendant Kaiser Permanente Medical Center Roseville shall continue to provide
 21 cardio-pulmonary support as is currently being provided;
- 22 d. Defendant Kaiser Permanente Medical Center Roseville shall provide medications
 23 currently administered to Plaintiff Israel Stinson;
- 24 e. Defendant Kaiser Permanente Medical Center Roseville shall continue to provide
 25 nutrition to Israel in the manner currently provided to the extent possible to
 26 maintain Israel’s stability, given his present condition.

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1 These orders shall remain in effect until the conclusion of the hearing on this matter, scheduled
2 for Monday, May 2, 2016 at 1:30 p.m. before this Court.

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IT IS SO ORDERED.

Dated: April 28, 2016

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DECLARATION OF ALEXANDER SNIDER

I, Alexander Snyder, declare as follows:

1. I am an attorney admitted to the State Bar of California (SL# 252058), and am not a party to the above-encaptioned case.

2. I served notice of an ex parte petition for a temporary restraining order in the case of Israel Stinson, a minor ISRAEL STINSON, by and through JONEE FONSECA, his mother, v. Kaiser Permanente Medical Center Roseville, Dr. Michael Myette M.D. and Does 1 through 10, inclusive, case number S-CV-0037673 to opposing counsel by email at 3:24 pm on Thursday, April 28, 2016.

3. Jason Curliano replied to the email indicating that he received notice of the petition.

I declare under penalty of perjury under the laws of the State of California that the foregoing is true and correct. Executed this 28th day of April, 2016, County of Placer, City of Roseville, California.

S/ Alexander Snyder
Alexander Snyder, Declarant

DECLARATION OF A. SNYDER

1 TO ALL PARTIES AND THEIR ATTORNEYS OF RECORD IN THIS ACTION
 2
 3 YOU ARE HEREBY NOTIFIED that on April _____, 2016 , at _____, or as soon
 4 thereafter as this matter may be heard in Courtroom _____ of the United States
 5 District Court, Eastern District of California, located at 501 I Street, Sacramento,
 6 CA , Plaintiff JONEE FONSECA will hereby move this Court ex parte for a
 7 temporary restraining order restraining Defendant KAISER PERMANENTE
 8 ROSEVILLE MEDICAL CENTER—WOMEN AND CHILDREN’S CENTER and
 9 DR. MICHAEL MYETTE from removing life support for the minor Israel Stinson
 10 and request for provision of nutrition and other medical treatment to optimize his
 11 physical condition, while the Court makes its ruling. Plaintiff also seeks an order
 12 compelling placement of a tracheostomy tube and gastric feeding tube into Israel
 13 Stinson so that he can be provided proper respiratory support and nutrition and so
 14 that he can meet the conditions required for transfer to another facility.

15 This application is made pursuant to Federal Rules of Civil Procedure Rule
 16 65(b) and U.S. Dist. Court, Northern District of California, Local Rule 65-1. The ex
 17 parte relief requested is appropriate because, absent an injunction prohibiting
 18 Defendants from proceeding with ending life support measures, Defendants are
 19 going to terminate Israel Stinson’s ventilator support at on April 28, 2016, thereby
 20 leading to the inevitable, and immediate, cessation of the beating of Israel’s heart.
 21 Plaintiff will likely suffer irreparable harm in that her son will die, whereas the only
 22 harm to Defendants will be the resulting continuation of the status quo of allowing
 23 the minor to remain on life support.

24 Further, Plaintiff has a likelihood of succeeding on the merits of her case
 25 because, inter alia, Defendants proposed action, i.e., removal of cardio pulmonary
 26 support, over the objection of Jonee Fonseca, the health care decision maker for her
 27 minor child Israel based upon the classification of Israel as brain dead pursuant to
 28

[PROPOSED] ORDER GRANTING TRO

1 California Health and Safety Code 7180 &7821 and against her religious principals,
 2 is unconstitutional in so far as it interferes with Plaintiff s exercise of her rights to
 3 freedom of religion under the first amendment and interference with her privacy
 4 rights under the Fourth and Fourteenth Amendments recognized rights to privacy in
 5 health care decisions and determination over ones medical treatment. The Plaintiff is
 6 actively seeking alternate arrangements for her daughter and failure to institute a
 7 TRO and Injunction will make the matter moot as Israel Stinson will cease to have a
 8 heart beat and will have expired. Also, the public interest will be served, as granting
 9 this Temporary Restraining Order will allow the public to have a clear
 10 understanding as o the rights of a parent to continue mechanical support of the life
 11 of a loved one as defined by their religious beliefs.

12 Counsel for Plaintiff properly provided Defendant KAISER PERMANENTE
 13 ROSEVILLE MEDICAL CENTER—WOMEN AND CHILDREN’S CENTER,
 14 and DR. MYETTE with ex parte notice pursuant to Federal Rules of Civil Procedure
 15 Rule 65(b)(1) .

16 This ex parte application is made pursuant to Federal Rules of Civil
 17 Procedure Rule 65(b) and U.S. Dist. Court, Northern District of California, Local
 18 Rule 65-1, and is based upon this notice, the attached memorandum of points and
 19 authorities, the attached Declaration of Christopher Dolan, the complete records,
 20 pleadings, documents and papers on file, and upon such other matters which may
 21 properly come before this Court at the hearing of this application.

22 Dated: April 28, 2016

23 /S/ Kevin Snider
 24 _____
 25 Kevin T. Snider
 26 Attorney for Plaintiffs

MEMORANDUM OF POINTS AND AUTHORITIES

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I. INTRODUCTION

On April 1, 2016, two-year old Israel Stinson was taken to the emergency room for symptoms of asthma. The following day, while in the hospital, Israel had another asthma attack, followed by cardiac arrest. He is now on life support at Defendant’s hospital.

Initially, a TRO was obtained in the Superior Court of the State of California for the County of Placer. The honorable Michael Jones issued and extended a temporary restraining order requiring that the Defendant continue to provide ventilator support and maintain the status quo of medical treatment through April 29, 2015. After such time the Hospital is free to remove the ventilator support from Israel Stinson and, without such support, his heart will cease beating.

Prior to the filing of this action Plaintiff’s Counsel informed Defendant that the family is undertaking efforts to locate an alternate placement for Israel so that he can be removed from the facility. Plaintiff is currently awaiting response from several facilities. Plaintiff has asked her son’s health care providers to provide continued ventilator support, nutritional support, a gastric feeding tube, tracheostomy tube, and other medical support to optimize Israel’s chances for survival. Those health care providers have refused to do so and have indicated an intent to withdraw said

1 support at the expiration of the State issued TRO on Friday, April 29, 2016 after
2 9:00 a.m.

3 **II. LEGAL DISCUSSION**

4 **A. Federal Law Authorizes the Relief Requested.**

5
6 “The purpose of a temporary restraining order is to preserve an existing situation
7 in status quo until the court has an opportunity to pass upon the merits of the
8 demand for a preliminary
9 injunction.” (*Pan American World Airways, Inc. v. Flight Engineers' Int'l Assoc.*
10 (2nd Cir.1962) 306 F.2d 840. 842.) Federal Rules of Civil Procedure Rule 65(b)(1)
11 permits a temporary restraining order to be granted ex parte if:
12
13

14 (A) Specific facts in an affidavit or a verified complaint clearly show that
15 immediate and irreparable injury, loss, or damage will result to the movant
16 before the adverse party can be heard in opposition; and
17

18 (B) The movant's attorney certifies in writing any efforts made to give notice
19 and the reasons why it should not be required.
20

21 A temporary restraining order is appropriate if there is proof of: (1) a
22 likelihood of success on the merits; (2) a substantial threat that plaintiff will suffer
23 irreparable injury if the injunction is denied; (3) the threat of injury outweighs any
24 damage the injunction might cause defendant, and (4) the injunction will not
25 disserve the public interest. (See *Sugar Busters. LLC v. Brennan* (5th Cir.1999) 177
26
27

28 [PROPOSED] ORDER GRANTING TRO

1 F.3d. 258. 265; CityFed Fin'l Corp. v Office of Thrift Supervision (DC Cir. 1995)
2 588 F.3d. 738. 746.)

3 **B. Plaintiff Will Suffer a Great Or Irreparable Injury Before This Matter**
4 **Can Be Heard On Notice Motion.**

5 Absent an injunction, 2-year old Israel Stinson will be taken off life-support
6 immediately by the Defendants. There can be no greater irreparable harm than
7 death.
8

9 This is even more troublesome when Plaintiff is exploring viable options to
10 continue life support outside Defendants' facility. Plaintiff has reserved a life flight
11 to transport her son to a suitable hospital anywhere in the country. She has also
12 made arrangements for a home care treatment plan with a neurologist and
13 pediatrician. Efforts to transfer Israel have been complicated because the hospital
14 refuses to perform the procedures (tracheostomy and gastrostomy) that would
15 facilitate a transfer to either home care or a "step down" hospital placement.
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19 **C. Plaintiff Will Succeed On the Merits of Her Case**

20 The Ninth Circuit Court of Appeals provides that only a reasonable
21 probability of success is required to support a preliminary injunction. (*Gilder v.*
22 *PGA Tour, Inc.* 936 F2d 417, 422 (9th Cir. 21 1991).) In fact, a "fair chance on the
23 merits" is sufficient for preliminary injunction purposes. (*See Johnson v. Cal State*
24 *Fort of Accounting*, 72 F. 3d 1427, 1429 (9th Cir. 1995).) The trial court may give
25 even inadmissible evidence some weight, when doing so serves the purpose of
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preventing irreparable harm before trial. (*See Flynt Distributing Co. Inc. v. Harvey*.
734 F.2d 1389, 1394 (9th Cir. 1984).)

At the very least, the Plaintiff enjoys a "fair chance" of success on the merits,
if not a
reasonable possibility of prevailing.

Further, "Though it is not apparent from the face of 28 U.S.C. § 2284(b)(3),
some courts have emphasized that a temporary restraining order will issue only
when the party seeking it is likely to succeed on the merits. . . . This court thinks that
the better-reasoned view, however, is that the likelihood of success on the merits
should be a minor factor, especially where the potential injury is great." (*Palmigiano*
v. Trivisono, 317 F. Supp. 776, 787 (D.R.I. 1970). Here, the hospital seeks to
proceed unilaterally with ending his life without an opportunity for the only Court
with Jurisdiction considering whether or not the Constitution has been violated in a
situation where a little boy has been rendered gravely injured.

**D. The Threatened Injury Outweighs any Damage That the Injunction
Might Cause to Defendants.**

A balancing of the relative hardships on the parties favors granting the requested
temporary restraining order. There is absolutely no damage that the Defendants can
claim that would override improperly ending life-support measures on 2-year old
Israel. Further, because Plaintiff seeks to discharge her son to an alternate

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environment there is absolutely no legitimate argument Defendants can make regarding damages they will suffer.

E. The Public Interest is Served by Allowing Plaintiff's Claims to be Fully Heard.

The issues raised in Plaintiff s Complaint and in this restraining order are matters of great public concern as indicated by the amount of media coverage which has been generated by this case. This is an issue of first impression; does a parent, once a legal determination of brain death is made, lose all rights concerning the care to be provided to their child whose heart still beats assisted by a ventilator. Does a parent of such a child have a right to object and resist a hospital's decision to withdraw life support over and against her objections and religious beliefs? Does the proposed conduct of the Defendant's violate the rehabilitation act and/or the ADA? How much time should a family be provided to locate alternate arrangements that are consistent with their religious beliefs?

F. Plaintiff Should Not Be Required to Post a Security Bond as Defendant Would Suffer No or Little Injury as a Result of the Institution of the Temporary Restraining Order

Though Federal Rules of Civil Procedure Rule 65(c) asks courts to require a security bond in conjunction with a temporary restraining order, courts are given wide discretion in the form the

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bond may take. (*Continental Oil Co. v. Frontier Refining Co.*, (10th Cir. 1964) 338 F.2d 780. 783.)

In fact, in situations where the likelihood of harm to defendant is small, courts are not obliged to require a bond to be issued at all. (*Id.*) Presently, the only harm that would come to Defendants should the temporary restraining order be granted would be the minimal cost continuing life-support measures.

III. CONCLUSION

Based on the foregoing, Plaintiff respectfully requests that this Court issue a temporary restraining order and an order to show cause why a preliminary injunction should not be issued against Defendants as detailed herein.

Dated: April 28, 2016

/s/ Kevin Snider
Kevin T. Snider
Attorney for Plaintiffs

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FILED
Superior Court of California
County of Placer

APR 14 2016

Jake Chatters
Executive Officer & Clerk
By *K. Zaragoza*, Deputy

SUPERIOR COURT OF THE STATE OF CALIFORNIA
IN AND FOR THE COUNTY OF PLACER

ISRAEL STINSON by and through
JONEE FONSECA, his other
Petitioner;
v.
UC DAVIS CHILDREN'S HOSPITAL;
KAISER PERMANENTE ROSEVILLE
MEDICAL CENTER-WOMEN AND
CHILDREN'S CENTER,
Defendants

Case No.: S-CV-0037673

ORDER ON EX PARTE APPLICATION
FOR TEMPORARY RESTRAINING
ORDER

NEXT HEARING:
April 15, 2016
9:00 a.m.
Department 43

Petitioner and applicant Jonee Fonseca has applied for a temporary restraining order directed to Kaiser Permanent Roseville Medical Center— Women and Children's Center concerning medical care and intervention provided to her son Israel Stinson. The court convened a hearing on the application at which Ms. Fonseca and her counsel, Alexandra Snyder, Esq., appeared. Various representatives from Kaiser including Katherine Saral, Esq., and Madeline Buty, Esq., appeared by phone.

The court orders as follows:

- (1) The application for temporary restraining order is set for hearing

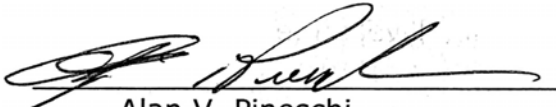
1 April 15, 2016, 9:00 a.m., in Department 43 of this court, the Hon. Michael
 2 W. Jones, presiding. Department 43 is located at the Hon. Howard G.
 3 Gibson Courthouse, 10820 Justice Center Drive, Roseville, in the Santucci
 4 Justice Center.

5 (2) Pending further order of the court, respondent Kaiser is ordered
 6 to continue to provide cardio-pulmonary support to Israel Stinson as is
 7 currently being provided.

8 (3) Pending further order of the court, respondent Kaiser is ordered
 9 to continue to provide medications currently administered to Israel;
 10 however, physicians or attending staff may adjust medications to the extent
 11 possible to maintain Israel's stability, given his present condition.

12 IT IS SO ORDERED.

13 DATED: April 14, 2016



Alan V. Pineschi
 Judge of the Superior Court

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FILED
Superior Court of California
County of Placer

APR 15 2016

Jake Chatters
Executive Officer & Clerk
By: J. Tisdale, Deputy

SUPERIOR COURT OF THE STATE OF CALIFORNIA
IN AND FOR THE COUNTY OF PLACER

ISRAEL STINSON by and through
JONEE FONSECA, his mother
Petitioner;
v.
UC DAVIS CHILDREN'S HOSPITAL;
KAISER PERMANENTE ROSEVILLE
MEDICAL CENTER-WOMEN AND
CHILDREN'S CENTER,
Defendants

Case No.: S-CV-0037673

ORDER ON EX PARTE APPLICATION
FOR TEMPORARY RESTRAINING
ORDER

NEXT HEARING:
April 22, 2016
9:00 a.m.
Department 43

Petitioner and applicant Jonee Fonseca has applied for a temporary restraining order directed to Kaiser Permanent Roseville Medical Center— Women and Children's Center concerning medical care and intervention provided to her son Israel Stinson. An initial TRO was granted April 14, 2016, and further proceedings were set for April 15, 2016, 9:00 a.m., in Department 43, the Hon. Michael W. Jones, presiding.

The April 15 hearing was conducted as scheduled. Ms. Fonseca and Nathaniel Stinson, minor's father, appeared with Alexandra Snyder, Esq. Drexwell M. Jones, Esq., appeared for Kaiser along with Dr. Michael Myette.

1 After consideration of the information and argument presented, the
2 court orders as follows:

3 (1) The temporary restraining order issued previously is extended to
4 April 22, 2016, 9:00 a.m., or further order of this court, with additional
5 orders as follows:

6 (a) Respondent Kaiser is ordered to continue to provide cardio-
7 pulmonary support to Israel Stinson as is currently being provided.

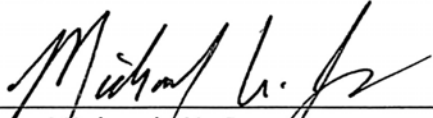
8 (b) Respondent Kaiser is ordered to continue to provide
9 medications currently administered to Israel; however, physicians or
10 attending staff may adjust medications to the extent possible to
11 maintain Israel's stability, given his present condition.

12 (c) Respondent Kaiser is ordered to continue provision of
13 nutrition to Israel in the manner currently provided to the extent
14 possible to maintain Israel's stability, given his present condition.

15 (2) The application for temporary restraining order is set for further
16 hearing April 22, 2016, 9:00 a.m., in Department 43 of this court,

17 IT IS SO ORDERED.

18 DATED: April 15, 2016



19 Hon. Michael W. Jones
20 Judge of the Superior Court
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FILED
Superior Court of California
County of Placer

APR 22 2016

Jake Chatters
Executive Officer & Clerk
By: K. Harding, Deputy

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SUPERIOR COURT OF THE STATE OF CALIFORNIA
IN AND FOR THE COUNTY OF PLACER

ISRAEL STINSON by and through
JONEE FONSECA, his mother
Petitioner;
v.
UC DAVIS CHILDREN'S HOSPITAL;
KAISER PERMANENTE ROSEVILLE
MEDICAL CENTER-WOMEN AND
CHILDREN'S CENTER,
Respondent

Case No.: S-CV-0037673

ORDER AFTER HEARING

NEXT HEARING:

**April 27, 2016
9:00 a.m.
Department 43**

Petitioner and applicant Jonee Fonseca has applied for a temporary restraining order directed to Kaiser Permanente Roseville Medical Center— Women and Children's Center concerning medical care and intervention provided to her son Israel Stinson. TRO proceedings were heard April 14 and 15, 2016, and further proceedings were set for April 22, 2016, 9:00 a.m., in Department 43, the Hon. Michael W. Jones, presiding.

At the April 22 hearing, Ms. Fonseca and Nathaniel Stinson, minor's father, appeared with Alexandra Snyder, Esq. Jason J. Curliano, Esq., and Drexwell M. Jones, Esq., appeared for Kaiser Foundation Hospitals. At the

1 court's request Roger Coffman, Esq., Senior Deputy County Counsel for
2 Placer County was also present, representing the Placer County Public
3 Guardian.

4 Petitioner and respondent have reached a stipulation concerning the
5 present circumstances and the TRO. The parties' written stipulation,
6 executed by counsel, has been filed.

7 Adopting the agreement of the parties, the court orders as follows:

8 (1) Jonee Fonseca and Nathaniel Stinson shall transfer Israel Stinson
9 to Sacred Heart Medical Center, 101 West 8th Avenue, Spokane,
10 Washington, which has agreed to admit Israel;

11 (2) Transportation of Israel to Sacred Heart shall be by Air Care 1;

12 (3) Kaiser will cooperate with and facilitate Israel's transfer and will
13 take necessary steps, in the ordinary course, to prepare Israel for transport,
14 and will transfer care and support of Israel to Air Care 1;

15 (4) Israel's attending physician at Kaiser Roseville will communicate
16 with Air Care 1 to assure they have proper staffing and equipment to
17 transfer Israel;

18 (5) Israel's attending physician at Kaiser Roseville will communicate
19 with the admitting physician at Sacred Heart to facilitate continuous care
20 and to assure Sacred Heart is prepared to receive Israel;

21 (6) The restraining order currently in place, which requires that

22 (a) Kaiser shall continue to provide cardio-pulmonary support
23 to Israel Stinson as is currently being provided;

24 (b) Kaiser shall provide medications currently administered to
25 Israel; however, physicians or attending staff may adjust medications
26 to the extent possible to maintain Israel's stability, given his present
27 condition;

28 (c) Kaiser shall continue to provide nutrition to Israel in the
29 manner currently provided to the extent possible to maintain Israel's

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stability, given his present condition;

shall continue in effect until and shall automatically dissolve upon the earlier of:

(a) Israel's discharge from Kaiser Permanente Hospital in Roseville; for this purpose, *discharge* means Israel's physical exit from the hospital; or

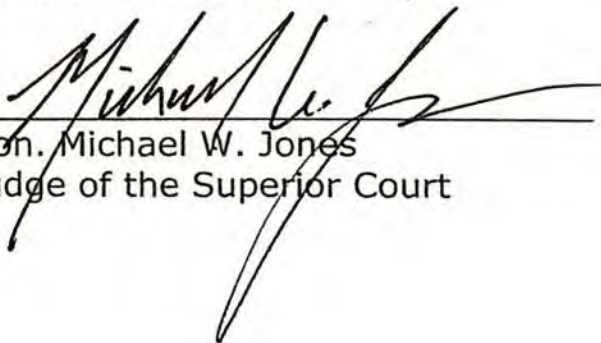
(b) Wednesday, April 27, 2016, 9:00 a.m.

Kaiser's legal responsibility for Israel's care and treatment will cease when the restraining order dissolves.

(7) This matter is set for further proceedings April 27, 2016, 9:00 a.m., in Department 43. If the restraining order has dissolved pursuant to paragraph (6), *supra*, the court intends to dismiss this action. The parties have stipulated that the court will thereafter have no jurisdiction over minor, petitioner or respondents under this proceeding.

IT IS SO ORDERED.

DATED: April 22, 2016



Hon. Michael W. Jones
Judge of the Superior Court

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FILED
Superior Court of California
County of Placer

APR 27 2016 1049

Jake Chatters
Executive Officer & Clerk
By: K. Harding, Deputy

SUPERIOR COURT OF THE STATE OF CALIFORNIA
IN AND FOR THE COUNTY OF PLACER

ISRAEL STINSON by and through
JONEE FONSECA, his mother
Petitioner;
v.
UC DAVIS CHILDREN'S HOSPITAL;
KAISER PERMANENTE ROSEVILLE
MEDICAL CENTER-WOMEN AND
CHILDREN'S CENTER,
Respondent

Case No.: S-CV-0037673
ORDER AFTER HEARING
NEXT HEARING:
April 29, 2016
9:00 a.m.
Department 43

Petitioner and applicant Jonee Fonseca has applied for a temporary restraining order directed to Kaiser Permanent Roseville Medical Center— Women and Children's Center concerning medical care and intervention provided to her son Israel Stinson. TRO proceedings were previously heard April 14, 15 and 22, 2016.

A continued hearing was held April 27, 2016, in Department 43, the Hon. Michael W. Jones, presiding. Ms. Fonseca and Nathaniel Stinson, minor's father, appeared with Alexandra Snyder, Esq. Jason J. Curliano, Esq., and Drexwell M. Jones, Esq., appeared for Kaiser Foundation

1 Hospitals. At the court's request Roger Coffman, Esq., Senior Deputy
2 County Counsel for Placer County was also present, representing the Placer
3 County Public Guardian. Richard Robinson and Laura Moreno,
4 representatives of Kaiser, were also present.

5 Having considered the argument of and information provided through
6 counsel, including declarations and other writings offered by Ms. Fonseca
7 and Mr. Stinson, the court makes the orders which follow. These orders are
8 made to implement the Health and Safety Code section 1254.4 reasonably
9 brief period of accommodation for Israel's family.

10 It is ordered that:

11 (1) Jonee Fonseca and Nathaniel Stinson shall be afforded an
12 additional brief opportunity to transfer Israel Stinson to a medical facility
13 agreeable to the parties, which facility has agreed to admit Israel;

14 (2) Transportation of Israel to the facility referred to in preceding
15 paragraph (1) shall be by Air Care 1 or another transportation service
16 agreeable to the parties;

17 (3) Kaiser will cooperate with and facilitate Israel's transfer and will
18 take necessary steps, in the ordinary course, to prepare Israel for transport,
19 and will transfer care and support of Israel to Air Care 1 or another
20 transportation service agreeable to the parties;

21 (4) Israel's attending physician at Kaiser Roseville will communicate
22 with Air Care 1 or another transportation service agreeable to the parties to
23 assure they have proper staffing and equipment to transfer Israel;

24 (5) Israel's attending physician at Kaiser Roseville will communicate
25 with the admitting physician at the facility referred to above in paragraph
26 (1) to facilitate continuous care and to assure the admitting facility is
27 prepared to receive Israel;

28 (6) The restraining order currently in place, which requires that

29 (a) Kaiser shall continue to provide cardio-pulmonary support

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to Israel Stinson as is currently being provided;

(b) Kaiser shall provide medications currently administered to Israel; however, physicians or attending staff may adjust medications to the extent possible to maintain Israel's stability, given his present condition;

(c) Kaiser shall continue to provide nutrition to Israel in the manner currently provided to the extent possible to maintain Israel's stability, given his present condition;

shall continue in effect until and shall automatically dissolve upon the earlier of:

(a) Israel's discharge from Kaiser Permanente Hospital in Roseville; for this purpose, *discharge* means Israel's physical exit from the hospital; or

(b) Friday, April 29, 2016, 9:00 a.m.

Kaiser's legal responsibility for Israel's care and treatment will cease when the restraining order dissolves.

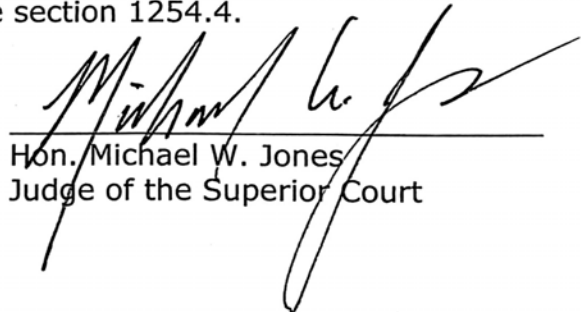
(7) This matter is set for further proceedings April 29, 2016, 9:00 a.m., in Department 43.

If the restraining order has dissolved pursuant to paragraph (6), *supra*, the court intends to dismiss this action. The parties have stipulated that the court will thereafter have no jurisdiction over minor, petitioner or respondents under this proceeding.

The court finds that this order provides the reasonably brief period of time under Health and Safety Code section 1254.4.

IT IS SO ORDERED.

DATED: April 27, 2016



Hon. Michael W. Jones
Judge of the Superior Court

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Jonee Fonseca
Mother of Israel Stinson
Address

Telephone withheld for privacy but
provided to Court and Respondent

IN THE SUPERIOR COURT OF CALIFORNIA
IN AND FOR THE COUNTY OF PLACER
UNLIMITED CIVIL JURISDICTION

Israel Stinson, a minor, by Jonee Fonseca his
mother.

Petitioner,

v.

UC Davis Children’s Hospital; Kaiser
Permanente Roseville Medical Center –
Women and Children’s Center.

Respondent.

Case No.

VERIFIED EX-PARTE PETITION FOR
TEMPORARY RESTRAINING
ORDER/INJUNCTION; REQUEST FOR
ORDER OF INDENDENT
NEUROLOGICAL EXAM; REQUEST FOR
ORDER TO MAINTIN LEVEL OF
MEDICAL CARE

I Jonee Fonseca am the mother of Israel Stinson who, on April 1, 2016 went to Mercy
Hospital with symptoms of an asthma attack. The Emergency room examined him, placed him
on a breathing machine, and he underwent x-rays. Shortly thereafter he began shivering, his lips
turned purple, eyes rolled back and lost csoncswiu0osness,. He had an intubation performe don
him. Doctor told me they had to transcer Israel to UC Davis because they did not have a pediatric
unit. HE was then taken to UC Davis via ambulance and admitted to the pediatric intensive care

1 unit. The next day, the tube was removed from Israel. The respiratory therapist said that Israel
 2 was stable and that they could possibly discharge him the following day, Sunday April 3. They
 3 put him on albuterol for one hour, and then wanted to take him off albuterol for an hour. About
 4 30 minutes in, I noticed that he began to wheeze and have issues breathing. The nurse came back
 5 in and put him on the albuterol machine. Within a few minutes the monitor started beeping. The
 6 nurse came in and repositioned the mask on Israel, then left the room.
 7

8 Within minutes, he started to shiver and went limp in her arms. I pressed the nurses' button, and
 9 screamed for help, but no one came to the room. A different nurse came in, and I asked to see a
 10 doctor. The doctor, Dr. Meteev came to the room and said she did not want to intubate Israel to
 11 see if he could breathe on his own without the tube.
 12

13 Israel was not breathing on his own. I had to leave the room to compose myself. When I
 14 came back five minutes later, the doctors were performing CPR. The doctors dismissed me from
 15 the room again while they performed CPR for the next forty (40) minutes.
 16

17 Dr. Meteev told me that Israel was going to make it and that he would be put on an ECMO to
 18 support his heath and lungs. Dr. Meteev also told me that Israel might have a blockage in his
 19 right lung because he was not able to receive any oxygen. A pulmonologist checked Israel's right
 20 lung, and he did not have any blockage.
 21

22 Dr. Meteev then indicated that there was a possibility Israel will have brain damage. HE
 23 was sedated twice due to this blood pressure being high, and was placed on an ECMO machine
 24 and ventilator machine.
 25

26 On Sunday April 3, 2016, A brain test was conducted on Israel to determine possibility of
 27 brain damage while he was hooked up to the ECMO machine. The test involved poking his eye
 28 with a Q-tip, banging on his knee, flashing a light in his eye, flushing water down his ear, and

1 putting a stick down his throat to check his gag reflexes. On April 4, 2016, the same tests were
 2 performed when he was taken of the ECMO machine. On April 6, 2016 he was taken off the
 3 ECMO machine because his hearth and lungs were functioning on their own. However, the next
 4 day, a radioactive test was performed to determine blood flow to the brain.

5 I begged for an MRI and CT scan to be done on Israel before the third and final doctor
 6 performed the test. This was done on April 10, 2016. These results still have not been given to
 7 me, and I've been told that the results are only "preliminary."

8 On April 11, 2016, Israel was transferred via ambulance to Kaiser Hospital in Rosveille. That
 9 night, another reflex test was done, in addition to an apnea test. Then, on April 14, 2016, an
 10 additional reflex test was done.
 11

12 I am a Christian and believe in the healing power of God. I do not want him pulled off
 13 life support. Kaiser has said that they have the right to remove Israel from life support on.
 14

15 I am hereby asking that Kaiser Permanente Roseville Medical Center be prevented from
 16 removing my son, Israel Stinson, from his ventilator.
 17

18 If Kaiser removes Israel from a respirator and he stops breathing then they will have
 19 ended his life as well as their responsibility to provide his future care for the harm their
 20 negligence caused. For this reason we hereby request that an independent examination be
 21 performed, including the use of an EEG and a cerebral blood flow study. I also request that
 22 Kaiser Permanente Roseville Medical Center be ordered to continue to provide such care and
 23 treatment to Israel that is necessary to maintain his physical health and promote any opportunity
 24 for healing and recovery of his brain and body. Failure to issue the Restraining Order will result
 25 in irreversible and irreparable harm so a basis in both law and fact exists for this court's
 26 intervention.
 27
 28

LEGAL ARGUMENT

1
 2 California Health and Safety Code Section 7180 (a) (The Uniform Determination of
 3 Death Act) provides for a legal determination of brain death as follows; “(a) An individual who
 4 has sustained either (1) irreversible cessation of circulatory and respiratory functions, or (2)
 5 irreversible cessation of all functions of the entire brain, including the brain stem, is dead. A
 6 determination of death must be made in accordance with accepted medical standards.”
 7

8 Health and Safety Code Section 7181 provides for an “independent” verification of any
 9 such determination stating; “When an individual is pronounced dead by determining that the
 10 individual has sustained an irreversible cessation of all functions of the entire brain, including the
 11 brain stem, there shall be *independent confirmation* by another physician.”
 12

13 As established by the Court in *Dority v Superior Court* (1983) 145 Cal.App.3d 273, 278,
 14 this Court has jurisdiction over the issue of whether a person is “brain dead” or not pursuant to
 15 Health and Safety Code Sections 7180 & 7181. Acknowledging the moral and religious
 16 implications of such a diagnosis and conclusion, the *Dority* court determined that it would be
 17 “unwise” to deny courts the authority to make such a determination when circumstances
 18 warranted.
 19

20 Here only doctors from Anaheim Regional Medical Center have examined Lisa. As
 21 stated above, I do not trust them to be independent given how they are responsible for her current
 22 condition and they have a conflict of interest in determining her condition: if she is disconnected
 23 and dead, they no longer have to pay for any of her care, if she is severely brain damaged, but
 24 not brain dead, they may be legally liable to provide her ongoing care and treatment at Anaheim
 25 Regional or elsewhere.
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1 Only one other case of this type is on record in California namely the case of Jahi
 2 *McMath* which was heard in Alameda County in December of 2013. That case, one of first
 3 impression, where Nailah Winkfield challenged Children’s Hospital Oakland’s determination of
 4 brain death after they negligently treated her daughter, Jahi, led to an Order, issued by Hon E.
 5 Grillo, holding that an independent determination is one which is performed by a physician with
 6 no affiliation with the hospital facility (in that case Children’s Hospital Oakland) which was
 7 believed to have committed the malpractice which led to the debilitating brain injuries Jahi
 8 suffered. A true and correct copy of Judge Grillo’s Order is attached to this Petition. In the
 9 *McMath* case, the Trial Court rejected the Hospital’s position that the Court had no jurisdiction
 10 over the determination of whether not Jahi *McMath* was “brain dead” or not.

13 In *McMath*, Judge Grillo stated that the Section 7180’s language regarding “accepted
 14 medical standards” permitted an inquiry into whether the second physician (also affiliated with
 15 Children’s Hospital Oakland) was “independent” as that term was defined under Section 7181.
 16 Judge Grillo determined that the petitioner’s due process rights would be protected by a focused
 17 proceeding providing limited discovery and the right to the presentation of evidence.
 18 The Court determined that, under circumstances which are strikingly similar to those which
 19 present themselves here, the conflict presented was such that the court found that the Petitioner
 20 was entitled to have an independent physician, unaffiliated with Children’s Hospital Oakland,
 21 preform neurological testing, an EEG and a cerebral blood flow study. Indeed, the Court
 22 Ordered Children’s Hospital Oakland to permit the Court’s own court appointed expert to be
 23 given temporary privileges and access to the Hospital’s facilities, diagnostic equipment, and
 24 technicians necessary to perform an “independent” exam.
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1 As in *Dority* and *McMath*, the unique circumstances of this case invoke the Court’s
 2 jurisdiction and due process considerations require that this Court grant Petitioner’s Petition for a
 3 Temporary Restraining Order and order that Anaheim Regional Medical Center permit Petitioner
 4 to obtain an independent medical examination at Anaheim Regional Medical Center with the
 5 assistance of The Medical Center’s diagnostic equipment and technicians necessary to carry out
 6 the standard neurologic brain death examination with a repeat EEG and a Cerebral Blood Flow
 7 Study.
 8

9 In order to provide the requisite physical conditions for a reliable set of tests to be
 10 performed, Lisa Avila should continue to be treated so as to provide her optimum physical health
 11 and in such a manner so as to not interfere with the neurological testing (such as the use of
 12 sedatives or paralytics).
 13

14 WHEREFORE, petitioner prays:

15 1) That a Temporary Restraining Order precluding Respondents from removing
 16 Israel Stinson from respiratory support, or removing or withholding medical treatment be issued;
 17

18 2) That an Order be issued that Respondents are to continue to provide Israel
 19 Stinson treatment to maintain his optimum physical health and in such a manner so as to not
 20 interfere with the neurological testing (such as the use of sedatives or paralytics in such a manner
 21 and/or at such time that they may interfere with the accuracy of the results).
 22

23 3) That an Order be issued that Petitioner is entitled to an independent
 24 neurological examination, with the assistance of Kaiser Permanente Roseville Medical Center’s
 25 diagnostic equipment and technicians necessary to carry out the standard neurologic brain death
 26 examination with a repeat EEG and a Cerebral Blood Flow Study.
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I declare under penalty of perjury under the laws of the State of California that the foregoing is true and correct. Executed on April , 2016, at Sacramento, California.

Jonee Fonseca

04/28/2016	6	MINUTE ORDER issued by Courtroom Deputy M. Krueger for District Judge Troy L. Nunley on 4/28/2016: Plaintiff is hereby ORDERED to immediately submit all Placer County Superior Court of California filings related to the temporary restraining order against Kaiser Permanente Medical Center Roseville. (TEXT ONLY ENTRY) (Krueger, M) (Entered: 04/28/2016)
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Attorneys for Plaintiffs

**IN THE UNITED STATES DISTRICT COURT
FOR THE EASTERN DISTRICT OF CALIFORNIA**

Jonee Fonseca, an individual parent) Case No.:
and guardian of Israel Stinson, a minor,)
Plaintiff,)
Plaintiffs,) **DECLARATION OF ALEXANDER**
v.) **SNYDER IN SUPPORT OF**
Kaiser Permanente Medical Center) **PLAINTIFF'S APPLICATION FOR**
Roseville, Dr. Michael Myette M.D. and) **TEMPORARY RESTRAINING**
Does 1 through 10, inclusive,) **ORDER AND REQUEST FOR**
Defendants.) **JUDICIAL NOTICE**

DECLARATION OF A. SNYDER

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DECLARATION OF ALEXANDER SNIDER

I, Alexander Snyder, declare as follows:

1. I am an attorney admitted to the State Bar of California, and am not a party to the above-encaptioned case. If called upon as a witness herein, I could and would testify truthfully thereto, of my own personal knowledge, as follows.

2. I am the attorney of record in the case Jonee Fonseca, an individual parent and guardian of Israel Stinson, a minor ISRAEL STINSON, by and through JONEE FONSECA, his mother, v. Kaiser Permanente Medical Center Roseville, Dr. Michael Myette M.D. and Does 1 through 10, inclusive, case number S-CV-0037673.

3. Said case is filed in the California Superior Court in and for the County of Sacramento.

4. I am not admitted to the Federal District Court for the Eastern District of California. As such, last night I contacted another firm, the Pacific Justice Institute, to assist me in filing the case before this Court.

5. Attached are true and correct copies of documents that were filed in the Superior Court. These documents are as follows:

- a. Declaration of Paul A. Byrne, M.D.
- b. Declaration of Jonee Fonesca
- c. Declaration of Angela Clemente

6. I request that this Court take judicial notice of these State Court filings.

7. In that time is of the essence in this emergency motion before the Court to save Israel Stinson’s life, I respectfully request that the Court review these declarations in support of the application for a temporary restraining order.

DECLARATION OF A. SNYDER

1 I declare under penalty of perjury under the laws of the State of California that
2 the foregoing is true and correct. Executed this 19th day of January, 2016, County
3 of Solano, City of Fairfield, California.

4 S/ Alexander Snyder
5 Alexander Snyder, Declarant
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DECLARATION OF A. SNYDER

Declarant, Paul A. Byrne, M.D., states as follows:

1. I have personal knowledge of all the facts contained herein and if called to testify as a witness I would and could competently testify thereto.
2. I am a physician licensed in Missouri, Nebraska and Ohio. I am Board Certified in Pediatrics and Neonatal-Perinatal Medicine. I have published articles on "brain death" and related topics in the medical literature, law literature and the lay press for more than thirty years. I have been qualified as an expert in matters related to central nervous system dysfunction in Michigan, Ohio, New Jersey, New York, Montana, Nebraska, Missouri, South Carolina, and the United States District Court for the Eastern District of Virginia.
3. I have reviewed the medical records of Israel Stinson, a 2-year-old boy, a patient in Kaiser Permanente, Roseville Hospital. I have visited Israel Stinson several times. On April 22 when I visited him, he was in the arms of his mother. A ventilator was in place.
4. Israel suffers from the effects of hypoxia and hypothyroidism as well as other conditions that require continuing medical treatment.
5. Israel receives treatment for diabetes insipidus by medication administered intravenously. The patient's family and I agree this treatment should continue.
6. Israel had asthma attack at home on April 1, 2016. He was taken to Mercy General Hospital ER. He was intubated and then transferred to UC Davis Children's Hospital. ET tube was removed. Shortly thereafter, he had difficulty with breathing and suffered a cardiorespiratory arrest. He was intubated, placed on a ventilator treated with ECMO. After this, a declaration of "brain death" was made.
7. Israel has been receiving ventilator support to assist the functioning of his lungs via endotracheal tube since April 1. Tracheostomy has not been done.
8. On April 4, Cranial Doppler showed "Near total absence of blood flow into the bilateral cerebral hemispheres."

**PATIENT EVALUATION FOR DETERMINATION OF BRAIN DEATH
FIRST EXAMINATION AND APNEA TEST**

Patient's Name: Israel Stinson

First Exam. Date: 4/4/16 Time: 0932 Temp: 36.4 B/P: 100/65 (78)

A. Preliminary Determination

1. Patient in coma: no
 - A. Cause of coma: n/a
 - B. Method by which coma diagnosed: n/a

It is recorded above on April 4 that Israel Stinson is not in coma.

Then, on April 8, the following is recorded, again as "First Examination and Apnea test." So, which is the first?

**PATIENT EVALUATION FOR DETERMINATION OF BRAIN DEATH
FIRST EXAMINATION AND APNEA TEST**

Patient's Name: Israel Stinson

First Exam. Date: 4/8/16 Time: 935 Temp: 36.9 B/P: 106/69 (78)

A. Preliminary Determination

1. Patient in coma: no

And again, not in coma.

8(a) An apnea test has been done on Israel 3 times. The first test was April 8. He was made acidotic (pH 7.13) and hypercapnic (pCO₂ 76). It must be noted that the Doppler still recorded blood flow on April 4, which was prior to the first apnea test.

The second apnea test was on April 12. Again he was made severely acidotic (pH 5.15) and severe hypercapnic (p CO₂ 76).

Apnea test 3 was done April 14. His pCO₂ increased to 82 and pH decreased to 7.15. This was not bad enough, so no ventilator life support was continued for another 3 minutes. By then the pH was down to 7.10 and the pCO₂ increased to extremely high level of 95.

These tests have caused Israel to have severely elevated levels of carbon dioxide and caused severe acidosis. These tests could not have helped Israel. Further, the third time was after Israel's parents requested that testing not be done.

9. Israel's only nutrition since April 1 has been Dextrose, the equivalent of 7-Up. He has been starved of protein, fat and vitamins.

9. Israel's parents requested thyroid blood studies April 17. They were done on April 18. Results showed that Israel has hypothyroidism. His parents requested that thyroid be given every 6 hours. Thyroid was started on April 18, but only once a day.

10. Prior to April 17/18 Israel was not tested or treated for his hypothyroidism, which has probably been present since his cardiorespiratory arrest. Thyroid hormone is necessary for ordinary normal health and healing of the brain. Lack of thyroid hormone may account for his continued coma. The following information on the importance of hypothyroidism in cases of brain damage is from published studies:

A) Shulga A, Blaesse A, Kysenius K, Huttunen HJ, Tanhuanpää K, Saarma M, Rivera C. Thyroxin regulates BDNF expression to promote survival of injured neurons. Mol Cell Neurosci. 2009 Dec;42(4):408-18. doi: 10.1016/j.mcn.2009.09.002. Epub 2009 Sep 16.

Abstract: A growing amount of evidence indicates that neuronal trauma can induce a recapitulation of developmental-like mechanisms for neuronal survival and regeneration. Concurrently, ontogenic dependency of central neurons for brain-derived neurotrophic factor (BDNF) is lost during maturation but is re-acquired after injury. Here we show in organotypic hippocampal slices that thyroxin, the thyroid hormone essential for normal CNS development, induces up-regulation of BDNF upon injury. **This change in the effect of thyroxin is crucial to promote survival and regeneration of damaged central neurons.** In addition, the effect of thyroxin on the expression of the K-Cl cotransporter (KCC2), a marker of neuronal maturation, is changed from down to up-regulation. Notably, previous results in humans have shown that during the first few days after traumatic brain injury or spinal cord injury, thyroid hormone levels are often diminished. **Our data suggest that maintaining normal levels of thyroxin during the early post-traumatic phase of CNS injury could have a therapeutically positive effect.**

Available at: <http://www.hindawi.com/journals/jtr/2013/312104/>

B) Mourouzis I, Politi E, Pantos C. Thyroid hormone and tissue repair: new tricks for an old hormone? *J Thyroid Res.* 2013;2013:312104. doi: 10.1155/2013/312104. Epub 2013 Feb 25.

Abstract: Although the role of thyroid hormone during embryonic development has long been recognized, its role later in adult life remains largely unknown. However, **several lines of evidence show that thyroid hormone is crucial to the response to stress and to poststress recovery and repair. Along this line, TH administration in almost every tissue resulted in tissue repair after various injuries including ischemia, chemical insults, induction of inflammation, or exposure to radiation. This novel action may be of therapeutic relevance, and thyroid hormone may constitute a paradigm for pharmacologic-induced tissue repair/regeneration.**

C) Shulga A, Rivera C. Interplay between thyroxin, BDNF and GABA in injured neurons. *Neuroscience.* 2013 Jun 3;239:241-52. doi: 10.1016/j.neuroscience.2012.12.007. Epub 2012 Dec 13.

Abstract: Accumulating experimental evidence suggests that groups of neurons in the CNS might react to pathological insults by activating developmental-like programs for survival, regeneration and re-establishment of lost connections. For instance, in cell and animal models it was shown that after trauma mature central neurons become dependent on brain-derived neurotrophic factor (BDNF) trophic support for survival. This event is preceded by a shift of postsynaptic GABAA receptor-mediated responses from hyperpolarization to developmental-like depolarization. These profound functional changes in GABAA receptor-mediated transmission and the requirement of injured neurons for BDNF trophic support are interdependent. Thyroid hormones (THs) play a crucial role in the development of the nervous system, having significant effects on dendritic branching, synaptogenesis and axonal growth to name a few. **In the adult nervous system TH thyroxin has been shown to have a neuroprotective effect and to promote regeneration in experimental trauma models.** Interestingly, after trauma there is a qualitative change in the regulatory effect of thyroxin on BDNF expression as well as on GABAergic transmission. **In this review we provide an overview of the post-traumatic changes in these signaling systems and discuss the potential significance of their interactions for the development of novel therapeutic strategies.**

The results of test of thyroid function of Israel Stinson are:

4/17/16 TSH: 0.07 (normal 0.7-5)

4/17/16: T4: 0.4 (Normal .8-1.7)

Israel's brain (hypothalamus) is not producing sufficient TSH, thyroid stimulating hormone, which has a half-life of only a few minutes.

If image scans are not sensitive enough to detect circulation in his brain, his brain may be only functionally silent but still functionally recoverable if proper treatment is given.

T4 is low and brain edema has turned into brain myxedema. If T4 is given, brain circulation can increase and resume normal levels, thereby restoring normal neurological and hypothalamic function.

11. Israel is dependent upon ventilator to keep him alive. Tracheostomy is indicated to facilitate his treatment and care. A tracheostomy needs to be done. If the endotracheal tube is removed, very likely Israel's airway will not remain open for breathing. If Israel is disconnected from the ventilator, he likely would be unable to breathe on his own because of the duration of time he has been on the ventilator.
12. With proper medical treatment as proposed by his parents, Israel is likely to continue to live, and may find limited to full recovery of brain function, and may possibly regain consciousness.
13. Israel has a beating heart without support by a pacemaker or medications. Israel has circulation and respiration and many interdependent functioning organs including liver, kidneys and pancreas. In spite of low thyroid Israel's body manifests healing. Israel Stinson is a living person who passes urine and would digest food and have bowel movements if he were fed through a nasogastric or PEG tube. These are functions that do not occur in a cadaver after true death.
14. Patients in a condition similar to Israel Stinson's clinical state may indeed achieve total or partial neurological recovery even after having fulfilled criteria of "brain death" legally accepted in the State of California, or established anywhere in the world, provided that they receive treatments based on recent scientific findings (although not yet commonly incorporated into medical practice).
15. The criteria for "brain death" are multiple and there is no consensus as to which set of criteria to use (Neurology 2008). The criteria supposedly demonstrate alleged brain damage from which the patient cannot recover. However, there are many patients who have recovered after a declaration of "brain death." (See below.) Israel is not deceased; Israel is not a cadaver. Israel has a beating heart with a strong pulse, blood pressure and circulation. Israel makes urine and would digest food and have bowel movements if he is fed. These are indications that Israel is alive.
16. Israel needs a warming device, but he is not a cold corpse. His body temperature has not equilibrated with the environmental temperature as would have occurred if Israel were a corpse.

17. The latest scientific reports indicate that patients deemed to be "brain dead" are actually neurologically recoverable. I recognize that such treatments are not commonly done. Further it is recognized that the public and the Court must be wondering why doctors don't all agree that "brain death" is true death. Israel, like many others, continues to live in spite of little or no attention to detail necessary for treating a person on a ventilator. Israel, like all of us needs thyroid hormone. Many persons are on thyroid hormone because they would die without it.
18. The diagnosis of "brain death" is currently based on the occurrence of severe brain swelling unresponsive to current therapeutic methods. The brain swelling in Israel Stinson began with the cardiorespiratory arrest that occurred more than 3 weeks ago. Progressive expansion of brain swelling raises the pressure inside the skull thereby compressing the blood vessels that supply nutrients and oxygen to the brain tissue itself. Upon reaching maximum levels, the pressure inside the skull may eventually stop the cerebral blood flow causing brain damage. However, Israel Stinson may achieve even complete or nearly complete neurological recovery if he is given proper treatment soon. Every day that passes, Israel is deprived of adequate nutrition and thyroid hormone required for healing.
19. The questions presented here refer to (1) the unreliability of methods that have been used to identify death and (2) the fact that no therapeutic methods that would enable brain recovery have been used so far. In fact, the implementation of nutrition and adequate therapeutic methods are being obstructed in the hope that Israel's heart stops beating, thereby precluding his recovery through the implementation of new therapeutic methodologies.
20. Israel Stinson's brain is probably supplied by a partially reduced level of blood flow, insufficient to allow full functioning of his brain, such as control of respiratory muscles and production of a hormone controlled by the brain itself. This is called thyroid stimulating hormone, TSH, which then stimulates the thyroid gland to produce its own hormones. With insufficient amount TSH Israel has hypothyroidism. The consequent deficiency of thyroid hormones sustains cerebral edema and prevents proper functioning of the brain that control respiratory muscles.
21. On the other hand, partially reduced blood flow to his brain, despite being sufficient to maintain vitality of the brain, is too low to be detected through imaging tests currently used for that purpose. Employing these methods currently used for the declaration of "brain death" confounds NO EVIDENCE of circulation to his brain with actual ABSENCE of circulation to his brain. Both reduced availability of thyroid hormones and partial reduction of brain blood flow also inhibit brain electrical activity, thereby preventing the detection of brain waves on the EEG. The methods currently used for the declaration of "brain death" confound flat brain waves with the lack of vitality of the cerebral cortex. It is noted that EEG has not been done on Israel Stinson.
22. In 1975, Joseph, a patient of mine, was on a ventilator for 6 weeks. He wouldn't move or breathe. An EEG was flat without brainwaves, which was interpreted by neurologists as "consistent with cerebral death." It was suggested to stop treatment. I continued to treat him. Eventually, Joseph was weaned from the ventilator, went to school and is now married and has 3 children.
23. In 2013, Jahi McMath was in hospital in Oakland, CA. When I visited her in the hospital in Oakland, Jahi was in a condition similar to Israel. A death certificate was issued on Jahi on December 12, 2013. Jahi was transferred to New Jersey where tracheostomy and gastrostomy were done and thyroid medication was given. Multiple neurologists recently evaluated Jahi and found that she no longer fulfills

any criteria for "brain death. Since Jahi has been in New Jersey, she has had her 14th and 15th birthdays. The doctors in Oakland declared Jahi dead and issued a death certificate. Jahi's mother said no to taking Jahi's organs and no to turning off her ventilator. Israel's parents are saying no to taking Israel's organs and to taking away his life support. Just like Jahi's mother!

24. The fact that Israel's brain still controls or at least partially controls his blood pressure and temperature and produces some thyroid stimulating hormone indicates that his brain is functioning and not irreversibly damaged. Rather, Israel is in a condition best described in layman's terms as similar to partial hibernation – a status to which an insufficient production of thyroid hormones also contributes.

25. The administration of thyroid hormone constitutes a fundamental therapeutic method that can reduce brain edema, relieving the pressure of cerebral edema on blood vessels and restoring normal levels of brain blood flow. By reestablishing the normal range of brain blood flow, recovery of his brain can be expected. In other words, he would regain consciousness and breathe on his own (without the aid of mechanical ventilation). That, however, cannot be accomplished by using only a ventilator and not giving adequate nutrition. Israel indeed requires active treatment capable of inducing neurological recovery. Correction of other metabolic disorders may enhance his chances of recovery.

26. Even a person in optimal clinical condition would be at risk of death after weeks of hypothyroidism and only sugar (similar to only 7-up). Israel Stinson needs a Court order requiring Kaiser Permanente to actively promote the implementation of all measures necessary for Israel's survival and neurological recovery, including tracheostomy, gastrostomy, thyroid hormone, and proper nutrition to prevent death.

27. Israel Stinson needs the following procedures done:

- a. Tracheostomy and gastrostomy
- b. Serum T3, T4, TSH and TRH (thyroid releasing hormone).
- c. Levothyroxine 25 mcg nasogastrically, nasogastrically or IV every 6 hours the first day; dose needs to be adjusted thereafter in accord with TSH, T3 and T4.
- d. Samples for lab tests for growth hormone (maybe serum samples can be frozen for future non-STAT tests).
- e. Serum insulin-like growth factor I (IGF-I) to evaluate growth hormone deficiency.
- f. Parathormone (PTH) and 25(OH)D3 to evaluate vitamin D deficiency and replacement.
- g. Continue to follow electrolytes (sodium, chloride, potassium, magnesium, total and ionized calcium), creatinine and BUN.
- h. Continued monitoring of blood gases.
- i. Serum albumin and protein levels.
- j. CBC including WBC with differential and platelet count.
- k. Urinalysis (including quantitative urine culture and 24-hour urine protein).

- l. Continue accurate Intake and Output.**
- m. Diet with 40 g of protein per day (nasoenterically or nasogastrically). Fat intravenous until feedings are into stomach.**
- n. IV fluids (volume and composition to be changed according to daily serum levels of electrolytes (sodium, chloride, potassium, magnesium, total and ionized calcium) and fluid balance.**
- o. Water, nasoenterically or nasogastrically, if necessary to treat hypernatremia – volume and frequency according to serum sodium.**
- p. Fludrocortisone Acetate (Florinef®) Tablets USP, 0.1 mg - one tablet (nasoenterically or nasogastrically) per day;**
- q. Prednisone 10 mg (nasoenterically or nasogastrically) twice per day;**
- r. Continue Vasopressin IM, or Desmopressin acetate nasal spray (DDAVP – synthetic vasopressin analogue) one or two times per day according to urinary output;**
- s. Human growth hormone (somatropin) [0.006 mg/kg/day (12 kg = 0.07 mg per day)] subcutaneously;**
- t. Arginine Alpha Ketoglutarate (AAKG) powder 10 g diluted in water (nasoenterically or nasogastrically) four times per day;**
- u. Pyridoxal-phosphate ("coenzymated B6", PLP) - sublingual administration four times per day;**
- v. Taurine 2 g diluted in water (nasoenterically or nasogastrically) four times per day;**
- w. Cholecalciferol 30,000 IU three times per day (nasoenterically or nasogastrically) for 3 days. Then 7,000 IU three times per day (nasoenterically or nasogastrically) from day 4.**
- x. Riboflavin 20 mg four times per day (nasoenterically or nasogastrically)**
- y. Folic acid 5 mg two times per day (nasoenterically or nasogastrically).**
- z. Vitamin B12 1,000 mcg once per day (nasoenterically or nasogastrically).**
- aa. Concentrate / mercury-free omega-3 (DHA / EPA) 3 cc four times per day (nasoenterically or nasogastrically).**
- bb. Chest physiotherapy**
- cc. Blood gases; adjust ventilator accordingly.**
- dd. Keep oxygen saturation 92-98%**
- ee. Air mattress that cycles and rotates air.**
- ff. Pressor agents to keep BP at 70-80/50-60.**

27. In a situation such as this where continued provision of life-sustaining measures such as ventilator, medications, water and nutrition are at issue, it is my professional judgment that the decision regarding their appropriateness rests with the family, not the medical profession.

References to some of those who have recovered after a declaration of "brain death":

Hospital staff began discussing the prospect of harvesting her organs for donation when she squeezed her mother's hand. **Kopf was mistakenly declared dead in hospital but squeezed her mother's hand in 'breathtaking miracle.'**

<https://www.dropbox.com/s/dtti4hkkx89ikyq/Uber%20Shooting%20Victim%20Abigail%20Kopf%20Goin%20From%20Victim%20to%20Survivor%20%20NBC%20Nightly%20News.mp4?dl=0>

Zack Dunlap from Oklahoma. Doctors said he was dead, and a transplant team was ready to take his organs — until a young man came back to life

<http://www.msnbc.msn.com/id/23768436/>; <http://www.lifesitenews.com/ldn/2008/mar/08032709.html>, March 2008

Rae Kupferschmidt: <http://www.lifesitenews.com/ldn/2008/feb/08021508.html>, February 2008.

Frenchman began breathing on own as docs prepared to harvest his organs
www.msnbc.msn.com/id/25081786

Australian woman survives "brain death" <http://www.lifesitenews.com/news/brain-dead-woman-recover-after-husband-refuses-to-withdraw-life-support> UTM source=LifeSiteNews.com+Daily+Newsletter&utm_campaign=231fd2c2c9-LifeSiteNews.com US Headlines05 12 2011&utm_medium=email

Val Thomas from West Virginia
WOMAN WAKES AFTER HEART STOPPED, RIGOR MORTIS SET IN
<http://www.foxnews.com/story/0,2933,357463,00.html>

<http://www.lifesitenews.com/ldn/2008/may/08052709.html>, May 2008.

An unconscious man almost dissected alive:
<http://www.lifesitenews.com/ldn/2008/jun/08061308.html>, June 2008

Gloria Cruz: <http://www.lifesitenews.com/news/brain-dead-woman-recover-after-husband-refuses-to-withdraw-life-support/>, May 2011

Madeleine Gauron: <http://www.lifesitenews.com/news/brain-dead-quebec-woman-wakes-up-after-family-refuses-organ-donation>, July 2011

References that "brain death" is not true death include:

Joffe, A. Brain Death is Not Death: A Critique of the Concept, Criterion, and Tests of Brain Death. *Reviews in the Neurosciences*, 20, 187-198 (2009), and Rix, 1990; McCullagh, 1993; Evans, 1994; Jones, 1995; Watanabe, 1997; Cranford, 1998; Potts et al., 2000; Taylor, 1997; Reuter, 2001; Lock, 2002; Byrne and Weaver, 2004; Zamperetti et al., 2004; de Mattei, 2006; Joffe, 2007; Truog, 2007; Karakatsanis, 2008; Verheijde et al., 2009. Even the President's Council on Bioethics (2008), in its white paper, has rejected "brain death" as true death.

VERIFICATION

I declare under penalty of perjury under the law of the State of California that the foregoing is true and correct.

Executed on 4-26-2016

Signature: Paul A. Byrne MD

PAPER

In what circumstances will a neonatologist decide a patient is not a resuscitation candidate?

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ABSTRACT

Objective The purpose of this study was to determine the opinions of practising neonatologists regarding the ethical permissibility of unilateral Do Not Attempt Resuscitation (DNAR) decisions in the neonatal intensive care unit.

Study design An anonymous survey regarding the permissibility of unilateral DNAR orders for three clinical vignettes was sent to members of the American Academy of Pediatrics Section of Perinatal Medicine.

Results There were 490 out of a possible 3000 respondents (16%). A majority (76%) responded that a unilateral DNAR decision would be permissible in cases for which survival was felt to be impossible. A minority (25%) responded 'yes' when asked if a unilateral DNAR order would be permissible based solely on neurological prognosis.

Conclusions A majority of neonatologists believed unilateral DNAR decisions are ethically permissible if survival is felt to be impossible, but not permissible based solely on poor neurological prognosis. This has significant implications for clinical care.

infant below the threshold of viability, and might at times decide to forgo attempts at resuscitation without explicitly seeking parental agreement, in cases wherein survival is felt to be impossible.⁶ We hypothesised that a substantial portion of neonatologists would therefore acknowledge that they find unilateral DNAR decisions ethically acceptable in at least some circumstances.

STUDY DESIGN

An anonymous survey was sent to members of the American Academy of Pediatrics Section of Perinatal Medicine (now the Section on Neonatal-Perinatal Medicine) using surveyMonkey.com. The consent was implied by completion of the survey. The survey consisted of three clinical vignettes followed by questions regarding the permissibility of a unilateral DNAR order for the specific case. Demographic information (years in practice; intensive care unit (ICU) level; unit capacity; the presence of trainees and the presence of a neonatal or paediatric palliative care service) was also collected in an attempt to determine the effect of these characteristics on neonatologists' willingness to place a unilateral DNAR order. The survey was sent on 4 September 2014 to the 3000 members of the American Academy of Pediatrics Section of Perinatal Medicine who had an email address listed with the section listserv and remained open for 2 weeks.

Hypothetical vignettes were designed to determine neonatologists' opinions regarding the ethical permissibility of unilateral DNAR orders in three settings: (1) a patient unlikely to survive a resuscitation, (2) a patient who may survive a resuscitation but would be neurologically devastated and (3) a patient for whom there is no curative treatment available (box 1). The first vignette concerned Frank, a preterm infant born at 22+5 weeks gestation who, despite intensive efforts, is dying. The neonatologist in this vignette believes the patient will not survive a resuscitation attempt. There has not yet been a discussion with the family in this vignette. The respondents are asked whether placing a unilateral DNAR order is acceptable when survival is felt to be unlikely, and when survival is felt to be impossible, and are then asked if they would place such an order. Methods of conflict mediation in the event of disagreement between the family and the physician regarding a DNAR order were also queried in this vignette.

The second vignette concerned Jennifer, a term female with severe lissencephaly who is having respiratory decompensation. The purpose of this

INTRODUCTION

A unilateral Do Not Attempt Resuscitation (DNAR) order refers to a decision by a physician/medical team that is made without permission or assent from the patient or the patient's surrogate decision-maker. Possible justifications might include the belief that an attempted resuscitation would offer no benefit to the patient, or that any possible benefit would be outweighed by the burdens to the patient.¹ Proponents of unilateral DNAR decisions assert that they avoid unnecessary and painful interventions at the end of life. Various medical associations, including the American Medical Association (AMA), have published codes of ethics that allow physicians not to provide interventions that they do not feel would be beneficial, but determination of which interventions might be beneficial is often nebulous.^{2,3} Opponents of unilateral DNAR orders argue that they usurp the patients' or surrogate decision-makers' ethical and legal authority to make decisions.⁴

While there is acknowledgement that the parents' right to make decisions for their child is generally to be respected, the physician's responsibilities sometimes include protecting the patient from treatment considered harmful or inhumane.⁵ We believe that neonatologists have particular familiarity with the concept of unilateral DNAR decisions, given that they are, at times, consulted regarding care and possible resuscitation for an

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Clinical ethics

vignette was to query the opinion of neonatologists regarding cases in which survival might be possible after a resuscitation, but with poor neurological outcome. Three questions followed this vignette and centred around the permissibility of unilateral DNAR orders in cases where there is poor neurological prognosis.

The third vignette described Franne, a term female who had a pulmonary artery shunt placed shortly after birth, which is now failing. Franne also bears a diagnosis that is associated with a poor neurological prognosis. This vignette was designed to query neonatologists' opinions regarding unilateral DNAR orders in cases for which there are no curative treatments available.

The primary outcome measure was whether or not the queried neonatologist felt the unilateral DNAR order was ethically permissible for the given vignette. χ^2 tests of association were used to determine whether responses differed by the demographic characteristics. Analyses were conducted using SAS

Table 1

Years in practice	NICU level
Less than 5 years—100 (21.5%)	Level I—6 (1.9%)
Between 5 and 10 years—74 (16%)	Level II—26 (5.6%)
Between 10 and 15 years—42 (9%)	Level III—206 (44.7%)
Between 15 and 20 years—51 (11%)	Level IV—250 (54.2%)
Greater than 20 years—99 (22.9%)	

NICU: neonatal intensive care unit.

V9.3 (Cary, North Carolina, USA). Statistical significance was established at 0.05.

RESULTS

There were 490 responses out of a possible 3000 respondents (16%). Selected demographic data concerning the respondents are provided in table 1. For questions such as 'What is the level of the unit in which you currently practise?', some respondents selected more than one response. For the primary outcome, bar graphs are shown regarding the perceived permissibility of a unilateral DNAR decision for each vignette in figures 1–3.

For the first vignette, when asked if a unilateral DNAR order would be appropriate when survival is felt to be unlikely, 61% of respondents answered yes (Question 1.1). An even greater majority answered in the affirmative (77%) when the question is changed to indicate an infant for whom survival was felt to be impossible (Question 2.1). While a clear majority of respondents answered that a unilateral DNAR order would be permissible if survival was felt to be impossible or unlikely, only 51% of respondents answered that they would actually place such an order themselves in this first vignette (Question 3.1). In cases of physician–parent conflict regarding what is perceived as best for the patient, the vast majority of respondents cited ethics committee consultation as a method of conflict resolution. The next most cited resource was consultation with the medical director or section chief, followed by case discussion with a representative of the risk management department. Very few respondents answered that they would pursue temporary custody from the courts in cases of physician–parent disagreement.

Box 1 Hypothetical vignettes

Vignette 1. Frank is a preterm infant born at 22–5 weeks gestation who is currently 8 days old. He suffered a spontaneous bowel perforation today and a Penrose drain is in place. His heart rate is drifting to the low 100s. He has a mixed respiratory and metabolic acidosis with a pH of 6.98–7.04, despite high oscillator settings and bicarbonate boluses. His blood pressure is barely acceptable on maximal vasopressor support. He has had no urine output all day. The attending neonatologist believes the infant is dying and attempts at resuscitation would be unsuccessful.

Vignette 2. Jennifer is presumably a term female born to a young mother with no prenatal care. The neonatology team is called to evaluate Jennifer given poor tone. The infant is transferred to the neonatal intensive care unit (NICU) where a more thorough exam reveals mild wrist contractures, moderate hypotonia, a prominent forehead and a small jaw. She experiences apnoea which progresses to respiratory failure by the second day of life. An MRI is performed given her neurological findings and it is consistent with severe lissencephaly. The neonatology fellow asks the attending if she should have a unilateral Do Not Attempt Resuscitation (DNAR) order placed given her poor neurological outcome and decompensation.

Vignette 3. Franne is a 75-day-old female with complex cardiac disease that necessitated a pulmonary artery shunt given profound pulmonary stenosis and a ductus arteriosus that was not large enough to allow adequate pulmonary blood flow with shunting. This procedure was performed on day of life 5. The treatment team is concerned that Franne is beginning to outgrow her shunt and is requiring more ventilatory support via her tracheostomy. She has a known syndrome that is associated with profound developmental delay, cardiac disease and seizures. Franne suffers from all three. An MRI revealed brain atrophy. Her heart disease is amenable to surgical correction, though the cardiothoracic (CT) surgeon at her home institution refuses to operate given the poor neurological prognosis. A second and third opinion yielded similar results. Franne is showing more signs of shunt failure and is found to have frequent desaturations and episodes of bradycardia. A unilateral DNAR order is placed in the chart by the attending neonatologist.

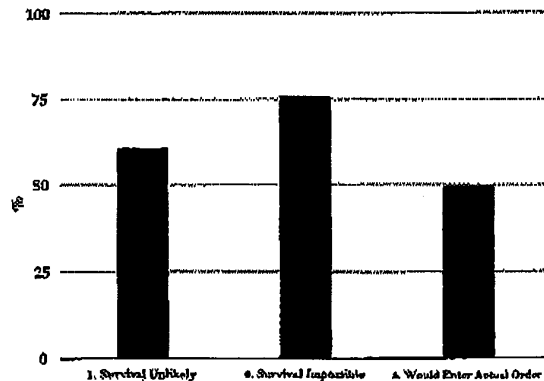


Figure 1 Percentage who answered 'yes' to vignette 1 questions 1. Is a unilateral Do Not Attempt Resuscitation (DNAR) permissible when survival is unlikely? 2. Is a unilateral DNAR permissible when survival is impossible? 3. Would you actually enter the order in this case?

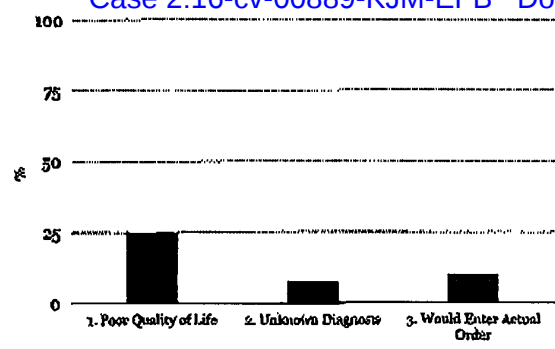


Figure 2 Percentage who answered 'yes' to vignette 2 questions
 1. Is a unilateral Do Not Attempt Resuscitation (DNAR) permissible in cases associated with a poor quality of life?
 2. Is a unilateral DNAR permissible in cases where the diagnosis is unknown?
 3. Would you enter a unilateral DNAR in this case?

For the second vignette, meant to query opinions regarding a unilateral DNAR order in cases of poor neurological prognosis, 119 (25%) of the neonatologists responded that it was ethically permissible to place a unilateral DNAR order based on a poor neurological prognosis and long-term prospects for poor quality of life (Question 1.2). Forty-nine (10%) answered in the affirmative when asked if they would actually place a unilateral DNAR order themselves based on the information presented in vignette 2 (Question 3.2). Forty-one (8.5%) responded that it was ethically permissible to place a unilateral DNAR order when a diagnosis is unknown (Question 2.2).

Vignette 3 concerned a critically ill infant with a poor neurological prognosis who will succumb to congenital heart disease unless surgically corrected. Neonatologists were asked if a unilateral DNAR order would be appropriate if no curative treatment were available. Two hundred and sixty-six (57%) respondents felt a unilateral DNAR order would be appropriate in such a case (Question 1.3), and 171 (37%) responded that they actually would enact such an order (Question 3.3). Of note, 378 (81%) felt the CT surgery team was justified in not performing a potentially life-saving therapy based on the patient's poor neurological prognosis (Question 2.3).

When analysing the effect of years in practice on opinions regarding permissibility of a unilateral DNAR order, neonatologists with more than 15 years' experience were less likely to

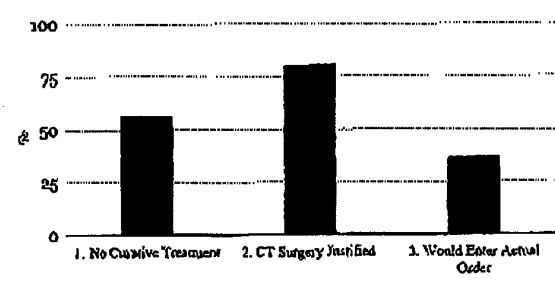


Figure 3 Percentage who answered 'yes' to vignette 3 questions
 1. Is a unilateral Do Not Attempt Resuscitation (DNAR) permissible when no other curative therapy exists?
 2. Is the cardiothoracic (CT) surgical team justified in not operating based on a poor quality of life?
 3. Would you enter a unilateral DNAR in this case?

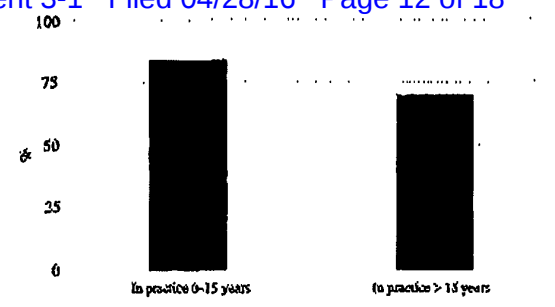


Figure 4 Percentage who answered 'yes' by years in practice when asked if a unilateral Do Not Attempt Resuscitation (DNAR) was permissible in cases where survival is impossible, $p < 0.001$.

respond 'yes' ($p < 0.0001$) when survival was felt to be impossible, as shown in figure 4, though even in that group a clear majority responded in the affirmative.

Two hundred and eighty-seven (62%) of the respondents answered yes when asked if they had a paediatric or neonatal palliative care service. Approximately 50% (223) of those polled answered that their institution had a written policy requiring parental permission to withhold cardiopulmonary resuscitation (CPR) with 126 (27%) answering that they did not know if such a policy existed in their institution. Seventy-four per cent of polled neonatologists answered that they work with medical trainees in some capacity. There were no statistically significant differences in the opinions regarding the permissibility of a unilateral DNAR order when analysed by the presence of a palliative care service, the presence of a written policy regarding DNAR orders or the presence of medical trainees.

DISCUSSION

In an earlier publication, we explored ethical arguments in favour of, and opposed to, unilateral DNAR orders in paediatrics.¹ For this study, we sought to determine the opinions and approaches of a large number of neonatologists with regard to the use of unilateral DNAR orders. It is our understanding and experience that neonatologists commonly invoke what is a de facto unilateral DNAR order in the delivery room setting, in that they commonly do not offer parents the option of attempted resuscitation at less than 22 weeks' gestation, based on the perceived impossibility of success. Such an approach would be consistent with recommendations of the American Academy of Pediatrics,⁷ the Canadian Pediatric Society⁸ and the Nuffield Council in the UK.⁹ Thus, we postulated that a significant percentage of neonatologists would find a unilateral DNAR order to be ethically acceptable for at least some neonatal intensive care unit (NICU) patients, including those for whom survival is felt to be extremely unlikely or impossible. The findings of this survey supported that hypothesis; a majority of the neonatologists surveyed (61%) agreed that a unilateral DNAR order is ethically acceptable when survival is extremely unlikely, and an even greater majority (77%) agreed when survival was felt to be impossible.

While ethical analyses can be found in the literature regarding unilateral DNAR orders, this is, to our knowledge, the first survey to address the opinions of a large number of neonatologists on this question.¹ In 2012, Morparia *et al* surveyed Paediatric Intensive Care Unit (PICU) physicians and found that the majority of respondents were not in favour of unilateral DNAR decisions in settings with extremely poor prognosis,

Clinical ethics

Case 2:16-cv-00889-KJM-EFB Document 3-1 Filed 04/28/16 Page 13 of 18

though they did not explicitly stipulate in their vignettes that survival was felt to be impossible. The exception in their study was a case for which the child had been declared brain dead; for that case, a majority of PICU physicians did feel unilateral DNAR was acceptable.¹⁰ Nevertheless, the general disagreement with unilateral DNAR orders noted in the study of PICU physicians stands in contrast to the responses of neonatologists described in this paper.

A potential explanation for this discrepancy may derive from the neonatologists' experiences with extremely preterm newborns delivered below the limit of viability. In our experience, unilateral DNAR decisions are often made in such a setting. While the management of patients in the delivery room (DR) might not be completely analogous to either the PICU or the NICU, that increased familiarity of the neonatologists with unilateral DNAR in the delivery room might nevertheless influence their approach to a patient in the NICU. Put another way, unless a neonatologist routinely offers resuscitation to parents for every extremely preterm newborn, regardless of gestational age or chance of viability, he/she has necessarily had experience with unilateral DNAR decisions. It may then be that extending the same reasoning to the NICU setting, and in particular the case wherein survival is felt to be impossible, is a less difficult step for the neonatologist than for the PICU physician. It must be acknowledged, however, that despite a perception of ethical equivalence, withholding intubation and assisted ventilation in the DR may nevertheless feel very different to staff, and more importantly to parents, compared with the NICU. A perception of acceptability of unilateral DNAR in the DR does not necessarily yield the same sense in the NICU. Thus, it is a significant finding that most responding neonatologists found it acceptable in the NICU under certain circumstances.

Another potential explanation of a possible difference in approaches in the NICU and PICU could relate to the difference in the psychological impact of managing newborns exclusively, compared with also managing older children. This is certainly a complex subject, and clearly beyond the scope of this essay, but may nevertheless play an important role in physicians' thinking.¹¹ Finally, it is worth noting that in some of Morparia's vignettes the patients were old enough to have formed, and possibly expressed, opinions regarding resuscitation. This highlights another important difference in resuscitation decisions in these two very different settings.

Though the ethical analysis of unilateral DNAR was explored in greater detail in our earlier essay, at least a brief summary of some relevant arguments seems warranted. One argument in favour of the use of unilateral DNAR orders, for cases wherein survival is believed impossible, relates to the potential burdens to the patient of a procedure that appears to offer no significant benefit. This would include the risk of pain during the attempted resuscitation, and possibly during a period of protracted dying. This seems a violation of the child's right to mercy. That is, the right not to be made to undergo potentially painful interventions that offer no significant benefit to the patient. The needs of the parents, such as the need to believe all efforts were made to save their child, are also a valid concern, however, and it seems reasonable that they should often be weighed in the decision regarding DNAR status. Still, we would counsel consideration of the Kantian imperative not to make the child serve solely as a means to someone else's ends, even his parents.¹² Also, there is concern about the potential deception of parents when physicians attempt something that offers no chance of success.

In situations wherein survival is felt to be impossible, some have suggested a feigned attempt at resuscitation, sometimes

referred to as a 'slow code' or 'Hollywood code', with no real goal of restoring vital signs.¹³ While we believe the motives of those who have advocated this approach are sometimes laudable (eg, reducing the parents' suffering by sparing them the decision regarding DNAR status), we agree with those who suggest this is an unnecessary deception. Rather than feign an attempt to restore vital signs or stability, we have advocated for a unilateral DNAR decision coupled with compassionate explanation in certain extreme cases.^{14 15} We believe that unilateral DNAR is a complex ethical question, with thoughtful and dedicated physicians coming down on both sides, and strong arguments to be made on both sides, and refer the reader to our earlier publication on this subject for a more detailed and nuanced discussion.¹ A summary of our arguments can be found in box 2.

It is understandable that the number of those who considered unilateral DNAR permissible increased substantially when the chance of success went from 'unlikely' to 'impossible.' The imperfections of our prognostic abilities rightly loom large in this matter,¹⁶ and it seems wise that we should require a high degree of confidence in any perceived prognosis before we permit it to limit the options offered to parents. It is not surprising that increased confidence in the prognosis would yield a greater number of physicians willing to decide or act based upon that prognosis.

While a clear majority of responding neonatologists found a unilateral decision ethically permissible when survival was not felt to be possible, only half would actually choose to enact DNAR without parental approval. There are, for nearly all of us, things that we consider ethically permissible, but that we ourselves would not choose to do. With many ethical questions, there are commonly two separate thresholds: first, is it ethically permissible, and second (a higher threshold), would you do it. Put another way, there is often a lower threshold for what is permissible than for

Box 2 Key considerations regarding unilateral Do Not Attempt Resuscitation (DNAR) orders

Physicians do not, and should not, have an ethical obligation to provide treatment that offers no benefit to the patient. Rather, the obligation is to compassionately discuss the situation, reasonable options and what will be done. Asking parents to approve a DNAR order when death in the near future is inevitable may place an unnecessary and potentially significant burden on them. Performing cardiopulmonary resuscitation that offers virtually no chance of restoring vital signs may benefit the family in some circumstances, such as providing a desired ritual or giving them the feeling that 'everything was tried.' It is controversial whether this justifies the potential harms to the patient, such as pain and indignity. A unilateral DNAR order by the physician based on predicted disability risks inappropriately places the values of the physician regarding quality of life over those of the patient or parents. Thus, unilateral decisions regarding DNAR status should generally be limited to cases of unavoidable imminent death, and perhaps the most extreme cases of poor quality of life, after confirmation of the prognosis and advisability of DNAR with colleagues. The law regarding unilateral DNAR orders varies among states, and physicians should be familiar with the law where they practise. Source: Adapted from Blinded.

what is advisable. This is also true for many medical decisions. A given option may be something one might find permissible for any physician to do, but not necessarily the therapeutic path he/she would choose to take. And so it might be with a unilateral DNAR order; for some of the respondents, it may have reached the lower threshold of permissibility, though they themselves would not do it, nor recommend it to a colleague.

The discrepancy between what some neonatologists consider acceptable, and what they would actually do, should also be considered in light of the professional climate in American medicine. It has been reported that physicians in the USA commonly initiate and continue treatment until it is virtually certain that the patient will die, taking a 'waiting for near certainty' approach to end of life.¹⁷ Comfort or familiarity with this approach, coupled with fear of medical uncertainty, and perhaps also fear of accusations of medical neglect and/or litigation, might further explain a physician's reluctance to enter a unilateral DNAR order into the medical record, even when he or she perceives that to do so would be acceptable. For some, it might amount to the conclusion that, "It would be ethically permissible to do it, but personally I would not take the risk."

The majority of respondents did not consider a unilateral DNAR decision based solely on poor neurological prognosis to be permissible, which was consistent with ethical arguments previously presented.¹ Determining that an infant's neurological prognosis and predicted quality of life are too poor to warrant CPR, without seeking parental agreement, requires giving precedence not only to the physician's medical judgement, but also to the physician's value judgements. It must be acknowledged that physicians' prognostications about the level of disability are sometimes wrong, and that quality of life assessments are subjective.^{18, 19} Thus, we share the intuition expressed by most neonatologists in this study, that a DNAR order without parental agreement, based solely on predicted neurological disability, would be inappropriate in nearly all cases. However, there may be extreme examples of neurological disability, not covered by these vignettes, for which a unilateral DNAR order would be considered acceptable to many neonatologists and others. Current debate regarding resuscitation for patients with Trisomy 13 or 18 may, at least in part, be tied to this question.

Vignette 3 concerned a child who, due to a grim neurological prognosis from an incurable underlying disorder, had been judged ineligible for potentially life-saving cardi thoracic (CT) surgery. The intent with this case was to query the opinion of neonatologists regarding unilateral DNAR orders when other important treatment is being withheld. A majority of neonatologists (57%) believe a unilateral DNAR order would be permissible, though far fewer (37%) would enact such an order in this case. Interestingly, far more respondents felt the CT surgeon was justified in making a unilateral refusal regarding surgery, compared with those who felt it permissible for the neonatologist to make such a unilateral decision regarding resuscitation in this case (81% vs 57%).

The disconnect between what the respondents felt was permissible for the CT surgeon and neonatologist may be explained in part by the fact that the surgery is far more involved, requiring more time, effort and utilisation of resources, as well as being more invasive. Another possible factor is the more immediate result of the decision. While both refusals could eventually result in death, a death related to a refusal to operate may often be less immediate than the death that results from a refusal to perform CPR. There may also be very different perceptions regarding death associated with the surgery compared with attempted CPR, the former more likely to have negative

implications and/or consequences for the physician. Lastly, it may be, in the minds of some, that there is something fundamentally different, and more obligatory, about CPR compared with other treatments. This perceived difference could make CPR, for many, a notable exception to the widely held notion within the medical profession that a physician is not obligated to offer or attempt a treatment that cannot work. The ethical justification for that perceived exception, however, is not immediately obvious. This disconnect should be studied further, but acceptance of refusal by the neonatologist or the surgeon may ultimately both be rooted, at least in part, in the belief that the physician retains the moral authority to make some decisions about the purposes to which his or her skills can be put.²⁰

More experienced physicians were less likely than their less experienced peers to make a unilateral decision regarding resuscitation when survival was felt to be impossible, though a majority of them still considered it acceptable. This difference might be explained in part by having greater experience with, and appreciation for, the reality documented by Mcadow *et al*, that physicians and others in the NICU are not particularly good at predicting which patients will die.¹⁸ Also, while this survey did not ask when the respondents began practising, some of the respondents in the >15 years in practice category may have been in medical school, residency or fellowship during times of landmark ethical cases in paediatrics. Perhaps being educated in the environment of the Baby Doe regulations, and the ethical upheaval that ensued, leads to a greater reluctance to make resuscitation decisions unilaterally.

This survey study has several limitations. The response rate of 16% is low, and thus these data may not accurately represent the views of most American neonatologists. There may have been a selection bias, in that those favouring one viewpoint or another might be more likely to respond to a survey such as this. It is also possible that neonatologists who are members of the American Academy of Pediatrics (AAP) perinatal section are not truly representative of the profession. While every attempt was made to make the vignettes as realistic as possible, they are very brief snapshots or what are often far more complicated situations, and thus run the risk of oversimplification. For clinical scenarios wherein the decision was already made for a unilateral DNAR order, respondents may have been subject to a status quo bias in decision making, thus going along with information/decision already presented.²¹ For many, a judgement regarding unilateral DNAR might be influenced by factors that were not discussed, such as parental preferences, religion and family situation.

CONCLUSION

Most neonatologists surveyed believed unilateral DNAR decisions made by physicians are ethically permissible when survival is felt by the physician to be unlikely, and an even greater majority believed it permissible when survival was felt to be impossible. However, most did not perceive unilateral DNAR orders as being permissible when based solely on poor prognosis regarding disability. This suggests that unilateral DNAR decisions, traditionally and currently sometimes made in the DR, are also sometimes being made in the NICU. Ethical justification for such decisions may be based on concern for unnecessary burden to the child, but often hinge on the degree of certainty regarding prognosis. The reluctance to unilaterally withhold potentially life-saving resuscitation, based solely on neurological prognosis, may be justified by an appreciation of the inherent subjectivity of value judgements regarding disability and quality of life. Whether the setting is poor prognosis for survival or poor neurological

Clinical ethics

prognosis, a significant number of neonatologists come down on each side of the question of unilateral DNAR.

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In what circumstances will a neonatologist decide a patient is not a resuscitation candidate?

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1 Jonee Fonseca
2 Mother of Israel Stinson
3 Address

4 Telephone withheld for privacy but
5 provided to Court and Respondent

6 **IN THE SUPERIOR COURT OF CALIFORNIA**
7 **IN AND FOR THE COUNTY OF PLACER**
8 **UNLIMITED CIVIL JURISDICTION**
9

10
11 Israel Stinson, a minor, by Jonee Fonseca his
12 mother.

13 Petitioner,

14 v.

15 UC Davis Children’s Hospital; Kaiser
16 Permanente Roseville Medical Center –
17 Women and Children’s Center.

18 Respondent.

Case No.

DECLARATION OF JONEE FONSECA IN
SUPPORT OF EX-PARTE PETITION FOR
TEMPORARY RESTRAINING
ORDER/INJUNCTION: REQUEST FOR
ORDER OF INDENDENT
NEUROLOGICAL EXAM; REQUEST FOR
ORDER TO MAINTIN LEVEL OF
MEDICAL CARE

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21
22 I, Jonee Fonseca, declare that I am the mother of petitioner Israel Stinson.

- 23 1. On April 1, 2016 I took Israel to Mercy Hospital with symptoms of an asthma attack. The
24 Emergency room examined him, placed him on a breathing machine, and he underwent
25 x-rays. Shortly thereafter he began shivering, his lips turned purple, eyes rolled back and
26 lost consciousness. He had an intubation performed on him. Doctors then told me they
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- had to transfer Israel to UC Davis because they did not have a pediatric unit. HE was then taken to UC Davis via ambulance and admitted to the pediatric intensive care unit.
2. The next day, the tube was removed from Israel at UC Davis. The respiratory therapist said that Israel was stable and that they could possibly discharge him the following day, Sunday April 3.
 3. The doctors at UC Davis put Israel on albuterol for one hour, and then wanted to take him off albuterol for an hour. About 30 minutes later while off the albuterol, I noticed that he began to wheeze and have issues breathing. The nurse came back in and put Israel on the albuterol machine. Within a few minutes the monitor started beeping. The nurse came in and repositioned the mask on Israel, then left the room.
 4. Within minutes of the nurse leaving the room, Israel started to shiver and went limp in my arms. I pressed the nurses' button, and screamed for help, but no one came to the room. A different nurse came in, and I asked to see a doctor.
 5. The doctor, Dr. Meteev came to the room and said she did not want to intubate Israel to see if he could breathe on his own without the tube. Israel was not breathing on his own. I had to leave the room to compose myself.
 6. When I came back into the room five minutes later, the doctors were performing CPR on Israel. The doctors dismissed me from the room again while they performed CPR for the next forty (40) minutes.
 7. After CPR was performed, Dr. Meteev told me that Israel was going to make it and that he would be put on an ECMO to support his health and lungs.

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8. Dr. Meteev also told me that Israel might have a blockage in his right lung because he was not able to receive any oxygen. A pulmonologist checked Israel’s right lung, and he did not have any blockage.

9. Dr. Meteev then indicated that there was a possibility Israel will have brain damage. HE was sedated twice due to this blood pressure being high, and was placed on an ECMO machine and ventilator machine.

10. On Sunday April 3, 2016, A brain test was conducted on Israel to determine possibility of brain damage while he was hooked up to the ECMO machine. The test involved poking his eye with a Q-tip, banging on his knee, flashing a light in his eye, flushing water down his ear, and putting a stick down his throat to check his gag reflexes. On April 4, 2016, the same tests were performed when he was taken of the ECMO machine.

11. On April 6, 2016 Israel was taken off the ECMO machine because his hearth and lungs were functioning on their own. However, the next day, a radioactive test was performed to determine blood flow to the brain.

12. I begged for an MRI and CT scan to be done on Israel before the third and final doctor performed the test. This was done on April 10, 2016. These results still have not been given to me, and I’ve been told that the results are only “preliminary.”

13. On April 11, 2016, Israel was transferred via ambulance from UC Davis to Kaiser Permanente Women and Children’s Medical Center in Rosville. Upon our arrival at Kaiser, another reflex test was done, in addition to an apnea test. On April 14, 2016, an additional reflex test was done.

14. I am a Christian and believe in the healing power of God. I do not want Israel pulled off life support. Kaiser has said that they have the right to remove Israel from life support.

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15. I am hereby asking that Kaiser Permanente Roseville Medical Center be prevented from removing my son, Israel Stinson, from his ventilator.

16. If Kaiser removes Israel from a respirator and he stops breathing then they will have ended his life as well as their responsibility to provide his future care for the harm their negligence caused. For this reason I hereby request that an independent examination be performed, including the use of an EEG and a cerebral blood flow study.

17. I also request that Kaiser Permanente Roseville Medical Center be ordered to continue to provide such care and treatment to Israel that is necessary to maintain his physical health and promote any opportunity for healing and recovery of his brain and body.

I declare under penalty of perjury under the laws of the State of California that the foregoing is true and correct. Executed on April , 2016, at Roseville, California.

Jonee Fonseca

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INTRODUCTION

This action seeks emergency relief to save the life of a two-year-old child, Israel Stinson. (FRCP 65) The causes are as follows:

- 1. Violation of the Free Exercise Clause of First Amendment of the United States Constitution
- 2. Violation of the Right to Privacy Guaranteed Under the Fourth Amendment of the United States Constitution
- 3. Violation of the Right to Privacy Guaranteed under the Fourteenth Amendment of the United States Constitution
- 4. Violation of Section 504 of the Rehabilitation Act of 1973 (29 U.S.C. § 794)
- 5. Violation of the American’s With Disabilities Act 42 U.S.C. § 12101 et seq.

JURISDICTION

1. Counts in this Action arise out of the First, Fourth and Fourteenth Amendments to the United States Constitution, The Rehabilitation Act of 1973 (29 U.S.C. § 794) and The American’s With Disabilities Act 42 U.S.C. § 12101 et seq.

VENUE

2. Venue is proper in the United States District Court for the Eastern District of California, pursuant to 28 U.S.C. sections 84 and 1391. The events that gave rise to this complaint are occurring in Roseville, Placer County, in the State of California, and one or more of the defendants has its Principal Place of Business in Roseville, Placer County, California.

PARTIES

3. Jonee Fonseca is an adult and a resident of the State of California. She

1 is the mother of Israel Stinson. Pursuant to the California Family Code § 6910 she is
2 the healthcare decision maker for Israel Stinson, a minor.

3 4. Defendant KAISER PERMANENTE ROSEVILLE MEDICAL
4 CENTER—WOMEN AND CHILDREN’S CENTER (KPRMC) is a non-profit
5 hospital corporation with its principal place of business in Roseville, California.
6 Plaintiff is informed and believes, and on the basis of said information and belief,
7 alleged that KPRMC receives funding from the state and federal government which
8 is used to directly and indirectly provide healthcare services to individuals including
9 but not limited to Israel Stinson.

10 5. Plaintiff is informed and believes that Defendant DR. MICHAEL
11 MYETTE is a resident of Placer County in California. He is a Pediatric Intensivist at
12 Kaiser Permanente Medical Center Roseville.

13 6. Plaintiffs are ignorant of the true names and capacities of defendants
14 sued herein as Does 1 through 10, inclusive, and therefore sue these defendants by
15 such fictitious names and capacities. Plaintiffs are informed and believe and based
16 thereon allege that each of the fictitiously named defendants is responsible in some
17 manner for the occurrences herein alleged, and that plaintiffs’ injuries as herein
18 alleged were proximately caused by the actions and/or in-actions of said Doe
19 defendants. Plaintiffs will amend this complaint to include the true identities of said
20 doe defendants when they are ascertained.

21 7. At all times mentioned, each of the defendants was acting as the agent,
22 principal, employee, and/or employer of one or more of the remaining defendants
23 and was, at all times herein alleged, acting within the purpose, course, and scope of
24 such agency and/or employment for purposes of respondent superior and/or
25 vicarious liability as to all other defendants.

26 8. At all times mentioned herein, the defendants, and each of them,
27 employed, hired, trained, retained, and/or controlled the actions of all other
28

1 defendants, and each of them.

2 **FACTS**

3 9. On April 1, 2016 Plaintiff Fonseca took Israel to Mercy General
4 Hospital with symptoms of an asthma attack. The Emergency room examined him,
5 placed him on a breathing machine, and he underwent x-rays. Shortly thereafter he
6 began shivering, his lips turned purple, eyes rolled back and he lost consciousness.
7 He had an intubation performed on him. Doctors then told Ms. Fonseca they had to
8 transfer Israel to UC Davis because Mercy did not have a pediatric unit. He was
9 then taken to UC Davis via ambulance and admitted to the pediatric intensive care
10 unit.

11 10. The next day, the tube was removed from Israel at UC Davis. The
12 respiratory therapist said that Israel was stable and that they could possibly
13 discharge him the following day, Sunday April 3. The doctors at UC Davis put
14 Israel on albuterol for one hour, and then wanted to take him off albuterol for an
15 hour. About 30 minutes later while off the albuterol, Israel's mother noticed that he
16 began to wheeze and have trouble breathing. The nurse came back in and put Israel
17 on the albuterol machine. Within a few minutes the monitor started beeping. The
18 nurse came in and repositioned the mask on Israel, then left the room. Within
19 minutes of the nurse leaving the room, Israel started to shiver and went limp in his
20 mother's arms. She pressed the nurses' button, and screamed for help, but no one
21 came to the room. A different nurse came in, and Ms. Fonseca asked to see a doctor.

22 11. The doctor, Dr. Meteev, came to the room and said she did not want to
23 intubate Israel to see if he could breathe on his own without the tube. Israel was not
24 breathing on his own. Ms. Fonseca had to leave the room to compose herself. When
25 Ms. Fonseca came back into the room five minutes later, the doctors were
26 performing CPR on Israel. The doctors dismissed Israel's mother from the room
27 again while they continued to perform CPR. The doctors were able to resuscitate
28

1 Israel. Dr. Meteev told Ms. Fonseca that Israel was “going to make it” and that he
2 would be put on an ECMO to support his heath and lungs.

3 12. Dr. Meteev then indicated that there was a possibility Israel will have
4 brain damage. He was sedated twice due to his blood pressure being high, and was
5 placed on an ECMO machine and ventilator machine.

6 13. On Sunday April 3, 2016, A brain test was conducted on Israel to
7 determine possibility of brain damage while he was hooked up to the ECMO
8 machine. On April 4, 2016, the same tests were performed when he was taken of the
9 ECMO machine. According to Israel’s medical records, Israel was not in a coma at
10 the time these tests were performed. American Academy of Neurology guidelines
11 require that patients be in a coma prior to performing a brain death exam.

12 14. On April 6, 2016 Israel was taken off the ECMO machine because his
13 hearth and lungs were functioning on their own. The next day, a radioactive test was
14 performed to determine blood flow to the brain.

15 15. On April 11, 2016, Israel was transferred via ambulance from UC
16 Davis to Kaiser Permanente Women and Children’s Medical Center in Roseville for
17 additional treatment. Upon his arrival at Kaiser, another reflex test was done, in
18 addition to an apnea test. On April 14, 2016, an additional reflex test was done.

19 16. Jonee Fonseca is a devout Christian and believes in the healing power
20 of God. She also believes that life does not end until the cessation of
21 cardiopulmonary function. She has repeatedly requested that Israel not be removed
22 from life support. She believes that removing Israel from the ventilator is
23 tantamount to ending his life.

24 17. With pulmonary support provided by the ventilator, Israel’s heart and
25 other organs are functioning well. Israel has also begun moving his upper body in
26 response to his mother’s voice and touch.

27 18. Israel has undergone certain tests which have demonstrated brain
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1 damage from the lack of oxygen. He is totally disabled at this time and is severely
2 limited in all major life activities. Other than the movements in response to his
3 mother's voice and touch, he is unable to do feed himself or do anything of his own
4 volition.

5 19. California Health and Safety Code § 7180. In force and effect, at all
6 times material to this action provides that "An individual who has sustained either
7 (1) irreversible cessation of circulatory and respiratory functions, or (2) irreversible
8 cessation of all functions of the entire brain, including the brain stem, is dead. A
9 determination of death must be made in accordance with accepted medical
10 standards."

11 20. California Health and Safety Code § 7181 provides that an individual
12 can be pronounced dead by a determination of "irreversible cessation of all
13 functions of the entire brain, including brain stem." It requires "independent"
14 confirmation by another physician.

15 21. Defendants Kaiser Permanente Medical Center Roseville, by and
16 through its pediatric intensivist Defendant Myette, has informed Plaintiff Jonee
17 Fonseca that Israel is brain dead, utilizing the definition of "brain death" derived
18 from Cal. Health & Safety Code § 7180.

19 22. Plaintiffs are Christians with firm religious beliefs that as long as the
20 heart is beating, Israel is alive. Plaintiff Fonseca has knowledge of other patients
21 who had been diagnosed as brain dead, using the same criteria as in her son's case.
22 In some of those cases, where the decision makers were encouraged to "pull the
23 plug" yet they didn't, their loved one emerged from legal brain death to where they
24 had cognitive ability and some even fully recovering. These religious beliefs involve
25 providing all treatment, care, and nutrition to a body that is living, treating it with
26 respect and seeking to encourage its healing.

27 23. Defendants have informed Jonee Fonseca that they intend to disconnect
28

1 the ventilator that Israel Stinson is relying upon to breath claiming that he is brain
2 dead pursuant to California Health and Safety Code § 7180.

3 24. Defendants claim that, since they have pronounced Israel brain dead
4 that Jonee Fonseca has no right to exercise any decision making authority vis-a-vis
5 maintaining her son on a ventilator.

6 25. Defendants have indicated that they wish to remove life support within
7 the next 24 hours.

8 26. To stop Defendants from terminating Israel's ventilator support, on
9 April 14, 2016, Plaintiff Fonseca filed a verified petition and ex parte application
10 with the Superior Court of California in Placer County seeking an order (1)
11 enjoining Kaiser Permanente Medical Center Roseville from withholding life
12 support from Israel. The court set the application for hearing at 9:00 am. on April
13 15, 2016 in Department 43.

14 27. On April 15, 2016, the court heard testimony from Defendant Dr.
15 Myette. The court temporarily restrained KPRMC from changing Israel's level of
16 medical support. The order stated in part: "a) Kaiser shall continue to provide
17 cardio-pulmonary support to Israel Stinson as is currently being provided; b) Kaiser
18 shall provide medications currently administered to Israel; however, physicians or
19 attending staff may adjust medications to the extent possible to maintain Israel's
20 stability, given his present condition; c) Kaiser shall continue to provide nutrition to
21 Israel in the manner currently provided to the extent possible to maintain Israel's
22 stability, given his present condition." The order continued the hearing to Friday,
23 April 22, 2016.

24 28. After the April 15 hearing, Plaintiff Fonseca made numerous efforts to
25 secure an independent neurologist or other physician to examine Israel, pursuant to
26 California Health and Safety Code § 7181. Dr. Michel Accad, a cardiologist with the
27 California Pacific Medical Center in San Francisco agreed to examine Israel on
28

1 April 23 or 24, 2016. However, on April 23, he notified Ms. Fonseca that he would
2 not be able to conduct the exam. Plaintiff Fonseca had contacted Dr. Paul Byrne, a
3 board certified neonatologist, pediatrician, and Clinical Professor of Pediatrics at
4 University of Toledo, College of Medicine. However, KPRMC would not allow Dr.
5 Byrne to examine Israel or even be present during an examination, as he is not a
6 California licensed physician.

7 29. On April 22, 2016, Judge Jones extended the order to allow for Israel's
8 transfer to another hospital. Arrangements were made to transfer Israel to Sacred
9 Heart Hospital in Spokane WA and a life flight via AirCare¹ was reserved to
10 transport Israel to Spokane. The order continued the hearing to Wednesday, April
11 27, 2016. For reasons unknown to Plaintiff Jonee Fonseca, Sacred Heart Hospital
12 later decided not to receive Israel.

13 30. On April 27, 2016 the court extended the order to provide a religious
14 accommodation under California Health and Safety Code § 1254.4 (c)(2). Plaintiff
15 Fonseca provide declarations by Dr. Byrne and Angela Clemente, who can provide a
16 continuing care plan for Israel with a team of specialists in New Jersey. The order
17 continued the hearing to Friday, April 29, 2016 at which time the temporary
18 restraining order prohibiting KPRMC from removing Israel's life support will
19 dissolve.

20 31. Plaintiff Jonee Fonseca has repeatedly asked that her child be given
21 nutrition, including protein and fats. She has also asked that he be provided
22 nutritional feeding through a nasal-gastric tube or gastric tube to provide him with
23 nutrients as soon as possible. She has also asked for care to be administered to her
24 son to maintain his heart, tissues, organs, etc. The Defendants have refused to
25 provide such treatment stating that they do not treat or feed brain dead patients.
26 They have denied her ability to make decisions over the health care of her son.
27 Plaintiff Fonseca has sought alternate placement of her son, outside the Defendant's
28

1 facility but, because of her unfamiliarity with such matters, and the requirement that
2 Israel have a tracheostomy tube and a gastric tube inserted for stable delivery of air
3 and nutrition to Israel. Plaintiff has secured alternate placement and transportation
4 but requires time for that to occur. If the defendants proceed with their plans, Israel
5 will expire.

6 32. Plaintiff Jonee Fonseca vehemently opposes the efforts of the
7 Defendants to exclude her from the decision making regarding her son and their
8 insistence that she has no right vis-a-vis the decision to disconnect the ventilator that
9 provides oxygen necessary for her son's heart to beat and the organs to be kept
10 profused with blood. Plaintiff Jonee Fonseca has expressly forbidden the defendants
11 from removing life support. Defendants have refused her requests for nutritional
12 support and the placement of a tracheostomy tube and a gastric tube stating that she
13 has no rights to request medical care for her son as he is brain dead. She has video
14 evidence demonstrating Israel moving his upper body in response to his mother's
15 voice and touch. She also has a declaration from Dr. Paul Byrne that Israel is alive
16 and not dead.

17 33. The State definition which Defendants are relying upon is in stark and
18 material difference to the religious beliefs of Jonee Fonseca. Jonee believes that
19 disconnection of the ventilator is tantamount to killing Israel.

20 **FACTS WARRANTING EMERGENCY TEMPORARY RESTRAINING**
21 **ORDER AND INJUNCTIVE RELIEF**

22 34. There is a substantial likelihood of success on the merits given the
23 wealth of decisional authority, both in the Court of Appeal, and the U.S. Supreme
24 Court demonstrating the constitutional rights people have over their decision making
25 role in their healthcare and for parents over the healthcare decisions concerning their
26 children

27 35. The injuries threatened of the conduct is not enjoined will be
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1 irrevocable and irreparable, Israel Stinson will be taken off a ventilator, his heart
 2 will stop beating and he will cease to show any signs associated with a living body.
 3 If Ms. Fonseca is prohibited from making healthcare decisions re nutrition,
 4 medications, etc., her son will starve and the electrolytes will get out of balance and
 5 other complications will arise that will hasten, and ultimately lead to, Israel’s death.

6 36. The threatened injury is death to Israel and loss of a son to Jonee.
 7 Defendants have stated no reason they would suffer a loss.

8 37. This case is one of national interest and the issue of the right to
 9 participate in healthcare decisions is one of great public concern. Therefore,
 10 granting of preliminary injunction is in the public interest.

11 **TERMS OF THE PROPOSED RESTRAINING ORDER**

12 38. Plaintiffs seek to have defendants be restrained from removing the
 13 ventilator.

14 39. Plaintiffs seek to have defendants initiate the provision of nutrition to
 15 Israel.

16 40. Plaintiffs seek to have to take all medically available steps/measures to
 17 seek to improve Israel’s health and prolong his life, including nutrition and
 18 including the insertion of a tracheostomy tube and a gastric tube.

19 41. Plaintiff seeks to be provided ample time and support (including the
 20 placement of the tracheostomy tube and the gastric tube) to try and locate a facility
 21 that will accept Israel as a patient to treat him and provide him vent support

22 **FIRST COUNT**

23 **(Violation of First Amendment Rights - Free Exercise of Religion)**

24 42. Plaintiffs incorporate by reference as if fully set forth herein the
 25 foregoing paragraphs.

26 43. This action arises under the United States Constitution, particularly
 27 under the provisions of the Free Exercise Clause of the First Amendment to the
 28

1 Constitution of the United States.

2 44. The acts complained of herein are being committed by the Defendants,
3 and are depriving Plaintiff Fonseca of her right to freely express her religious
4 beliefs. The denial of these rights threatens the very existence of Israel and will
5 completely sever the relationship that still endures between Jonee and Israel.

6 45. The Defendants, and each of them, knowingly and willfully conspired
7 and agreed among themselves to violate Plaintiffs' civil rights so as to injure
8 Plaintiffs, and each of them.

9 46. As a proximate cause of the Defendants' conduct, Plaintiffs, and each
10 of them, are incurring attorney fees and litigation costs, including the costs of
11 retaining experts.

12 47. Plaintiffs pray for relief in the form of a declaration of the right of
13 Plaintiff Jonee Fonseca to exercise control over the determination of the healthcare
14 to be provided to and received by Israel Stinson and a declaration that the
15 application of California Health and Safety Code § 7181, as defendants seek to do,
16 giving them the right to discontinue ventilator support over the objection of Plaintiff
17 Fonseca, is unconstitutional as an interference with Plaintiff's exercise of her
18 religious beliefs.

19 48. Plaintiff prays for an injunction prohibiting Defendants from removing
20 ventilator support and an order that they institute nutritional support and other
21 medical treatments to as to provide him with proper care and treatment designed
22 promote his maximum level of medical improvement, to insert a tracheostomy tube
23 and a gastric tube, and to provide Plaintiff a reasonable time to locate an alternate
24 facility to care for her child in accordance with her religious beliefs.

25 **SECOND COUNT**

26 **(Violation of Fourth Amendment Rights - Privacy Rights)**

27 49. Plaintiffs incorporate, herein by reference, the foregoing paragraphs.
28

1 50. This action arises under the United States Constitution, particularly
2 under the provisions of the Privacy Rights established and recognized as existing
3 within and flowing from Fourth Amendment to the Constitution of the United
4 States.

5 51. Each of the acts complained of herein was committed by the
6 Defendants, and each of them, and by seeking to deny Jonee Fonseca and Israel
7 Stinson of the rights to privacy including but not limited to their rights to have
8 control over their health care, by refusing to provide health care to them, and by
9 denying them the right to have control over the health care decisions affecting Israel,
10 which are recognized under the Fourth Amendment of the U.S. Constitution.

11 52. The conduct of the Defendants, and each of them, has deprived
12 Plaintiffs of the rights of privacy that they have over their medical decisions.

13 53. As a direct and proximate result of the Defendants' conduct, as alleged
14 herein, Plaintiffs are in great risk of the death of Israel Stinson occurring. She has
15 been suffering, as has Jonee Fonseca by being prohibited from obtaining proper care
16 for Israeli and by being deprived of the right of knowing that Israel was being cared
17 for and, instead, fearing that he was becoming weaker and dying because of the
18 refusal of the defendants to provide treatment.

19 54. As a direct and proximate result of the Defendants' conduct, the
20 Plaintiffs have suffered past and future general damages in amounts to be
21 determined by proof at trial.

22 55. As a proximate cause of the Defendants' conduct, Plaintiffs, and each
23 of them, are incurring attorney fees and litigation costs, including the costs of
24 retaining experts.

25 56. Plaintiffs pray for relief in the form of a declaration of their rights of
26 privacy relating to their rights to control over their medical decisions and choices.
27 Plaintiff further request declaratory relief that the application of the determination of
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1 the healthcare to be provided to and be received by Israel Stinson and a declaration
2 that the application of California Health and Safety Code § 7181, in the manner in
3 which Defendants seek to do so, so as to deprive Plaintiffs of their ability to choose
4 to remain on ventilator support is an unconstitutional interference with Plaintiffs
5 exercise of rights to privacy.

6 57. Plaintiff prays for an injunction prohibiting Defendants from removing
7 ventilator support and an order that they institute nutritional support and other
8 medical treatments to as to provide him with proper care and treatment designed to
9 promote him maximum level of medical improvement, to insert a tracheostomy tube
10 and a gastric tube, and to provide Plaintiff a reasonable time to locate an alternate
11 facility to care for her child in accordance with her religious beliefs.

12 **THIRD COUNT**

13 **(Violation of Fourteenth Amendment Rights to Privacy)**

14 58. Plaintiffs incorporate, herein by reference, the foregoing paragraphs.

15 59. This action arises under the United States Constitution, particularly
16 under the provisions of the Fourteenth amendment and its right to privacy.

17 60. Each of the acts complained of herein was committed by the
18 Defendants, and each of them, and by seeking to deny Jonee Fonseca and Israel
19 Stinson of the rights to privacy including but not limited to their rights to have
20 control over their health care, by refusing to provide health care to them, and by
21 denying them the right to have control over the health care decisions affecting Israel,
22 which are recognized under the Fourteenth Amendment of the U.S. Constitution.

23 61. As a proximate cause of the Defendants' conduct, Plaintiffs, and each
24 of them, are incurring attorney fees and litigation costs, including the costs of
25 retaining experts.

26 62. Plaintiffs pray for relief in the form of a declaration of their rights
27 Privacy over the healthcare decisions concerning Israel's rights to exercise control
28

1 over his medical decisions and that the efforts to/ decision of CHO to unilaterally
2 remove Israel from the ventilator under California Health and Safety Code § 7181,
3 are an unconstitutional interference with Plaintiff's Privacy rights.

4 63. Plaintiff prays for an injunction prohibiting Defendants from removing
5 ventilator support and an order that they institute nutritional support and other
6 medical treatments so as to provide him with proper care and treatment designed to
7 promote him maximum level of medical improvement, to insert a tracheostomy tube
8 and a gastric tube, and to provide Plaintiff a reasonable time to locate an alternate
9 facility to care for her child in accordance with her religious beliefs.

10 **FOURTH COUNT**

11 **(Violation of the Federal Rehabilitation Act)**

12 64. Plaintiffs incorporate, herein by reference, the foregoing paragraphs.

13 65. Israel Stinson is a handicapped and/or disabled individual as that term
14 is defined under both the Rehabilitation Act of 1973.

15 66. Section 504 of the Rehabilitation Act prohibits discrimination against
16 an "otherwise qualified" handicapped individual, solely by reason of his or his
17 handicap, under any program or activity receiving federal financial assistance.

18 67. Hospitals such Defendant Kaiser Permanente Roseville Medical
19 Center—Women and Children's Center, that accepts Medicare and Medicaid
20 funding, are subject to the Rehabilitation Act.

21 68. The Hospital has admitted that the sole reason it wishes to withhold
22 ventilator treatment and the sole reason that it refuses to provide nutrition and other
23 medical treatment for Israel Stinson over his mother's objections, is because of
24 Israel's brain injury-her handicap and disability.

25 69. Israel is "otherwise qualified" to receive treatment dismal long term
26 prospects of living.

27 70. Thus, the Hospital's desire to withhold ventilator treatment, nutritional
28

1 support, and other medical treatment, from Israel over his mother's objections,
2 violates the Rehabilitation Act.

3 71. As a proximate cause of the Defendants' conduct, Plaintiffs, and each
4 of them, are incurring attorney fees and litigation costs, including the costs of
5 retaining experts.

6 72. Plaintiffs pray for relief in the form of a declaration the effort to
7 remove Israel from his ventilator under California Health and Safety Code § 7181,
8 and their refusal to provide him with medical care and nutritional support violates
9 the Rehabilitation Act and, therefore, Defendants should be ordered to continue said
10 support and to provide nutritional support and other medical support designed to
11 allow Israel to continue existing and to have a best chance of regaining some brain
12 function.

13 73. Plaintiff prays for an injunction prohibiting Defendants from removing
14 ventilator support and an order that they institute nutritional support and other
15 medical treatments so as to provide him with proper care and treatment designed to
16 promote him maximum level of medical improvement, to insert a tracheostomy tube
17 and a gastric tube, and to provide Plaintiff a reasonable time to locate an alternate
18 facility to care for her child in accordance with her religious beliefs.

19 **FIFTH COUNT**

20 **(Americans with Disabilities Act)**

21 74. Plaintiffs incorporate, herein by reference, the foregoing.

22 75. Section 302 of the Americans with Disabilities Act ("ADA") prohibits
23 discrimination against disabled individuals by "public accommodations." 42 U.S.C.
24 § 12182.

25 76. A "disability" is "a physical or mental impairment that substantially
26 limits one or more of the major life activities" of an individual. 42 U.S.C. §
27 12102(2). This includes any physiological disorder or condition affecting the
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1 neurological system, musculoskeletal system, or sense organs, among others. 28
2 C.F.R. § 36.104 (definition of “physical or mental impairment”).

3 77. Brain damage from lack of oxygen is a disability, because it affects
4 Israel’s neurological functioning, ability to walk, and ability to see or talk.

5 78. “Public accommodation” is defined to include a “professional office of
6 a health care provider, hospital, or other service establishment.” 42 U.S.C. §
7 12181(7). The Hospital is a public accommodation under the ADA. 28 C.F.R. §
8 36.104.

9 79. Section 302(a) of the ADA states a general rule of nondiscrimination
10 against the disabled: General rule. No individual shall be discriminated against on
11 the basis of disability in the full and equal enjoyment of the goods, services,
12 facilities, privileges, advantages, or accommodation of any place of public
13 accommodations by any person who owns, leases (or leases to), or operates a place
14 of public accommodation. 42 U.S.C. § 12182(a).

15 80. In contrast to the Rehabilitation Act, the ADA does not require that a
16 handicapped individual be “otherwise qualified” to receive the benefits of
17 participation. Further, section 302(b)(1)(A) of the ADA states that “[i]t shall be
18 discriminatory to subject an individual or class of individuals on the basis of a
19 disability... to a denial of the opportunity of the individual or class to participate in
20 or benefit from the goods, services, facilities, privileges, advantages, or
21 accommodations of an entity.” 42 U.S.C. § 12182(b)(1)(A)(i).

22 81. The Hospital seeks to deny Israel Stinson the benefits of ventilator
23 services, nutrition and other medical treatment to Israel Stinson by reason of his
24 disability. The Hospital’s claim is that it is “futile” to keep alive a “brain dead”
25 baby, even though the mother has requested such treatment. But the plain language
26 of the ADA does not permit the denial of ventilator services, and other medical
27 services such as the provision of nutrition and medical treatment that would keep
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1 alive a brain injured child when those life-saving services would otherwise be
 2 provided to a baby without disabilities at the parent’s request. The Hospital’s
 3 reasoning would lead to the denial of medical services to brain injured individuals as
 4 a class of disabled individuals. Such discrimination against a vulnerable population
 5 class is exactly what the American with Disabilities Act was enacted to prohibit.
 6 The Hospital would therefore violate the ADA if it were to withhold ventilator
 7 treatment, nutrition and other medical treatment to Israel Stinson.

8 82. As a proximate cause of the Defendants’ conduct, Plaintiffs, and each
 9 of them, are incurring attorney fees and litigation costs, including the costs of
 10 retaining experts.

11 83. Plaintiffs pray for relief in the form of a declaration that the efforts of
 12 Defendants, and each of them, to remove Israel from his ventilator under California
 13 Health and Safety Code § 7181, and their refusal to provide him with medical care
 14 and nutritional support violates the ADA and, therefore, Defendants should be
 15 ordered to continue said support and to provide nutritional support and other
 16 medical support designed to allow Israel to continue existing and to have a best
 17 chance of regaining brain function.

18 84. Plaintiff prays for an injunction prohibiting Defendants from removing
 19 ventilator support and an order that they institute nutritional support and other
 20 medical treatments so as to provide him with proper care and treatment designed to
 21 promote his maximum level of medical improvement, to insert a tracheostomy tube
 22 and a gastric tube, and to provide Plaintiff a reasonable time to locate an alternate
 23 facility to care for her child in accordance with her religious beliefs.

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PRAYER

Wherefore, Plaintiffs pray for judgment against the Defendants as follows:

1. An emergency order, temporarily restraining Defendants from removing of ventilator support and mandating introduction of nutritional support, insertion of a tracheostomy tube, gastric tube, and to provide other medical treatments and protocols designed to promote his maximum level of medical improvement and provision of sufficient time for Plaintiff to locate an alternate facility to care for her child in accordance with her religious beliefs.

2. Injunctive relief including, but not limited, to injunctions precluding removal of ventilator support and mandating introduction of nutritional support, insertion of a tracheostomy tube, gastric tube, and to provide other medical treatments and protocols designed to promote his maximum level of medical improvement and provision of sufficient time for Plaintiff to locate an alternate facility to care for her child in accordance with her religious beliefs.

3. Declaratory Relief.

4. Plaintiffs also request that the Court issue whatever additional injunctive relief the Court deems appropriate; and

5. Any and all other appropriate relief to which the Plaintiffs may be entitled including all "appropriate relief" within the scope of F.R.C.P. 54(c).

6. Costs and attorney fees

Dated: April 28, 2016

/S/ Kevin Snider
Kevin T. Snider
Attorney for Plaintiffs

**U.S. District Court
Eastern District of California - Live System (Sacramento)
CIVIL DOCKET FOR CASE #: 2:16-cv-00889-KJM-EFB**

Fonseca v. Kaiser Permanente Medical Center
Roseville, et al.
Assigned to: District Judge Kimberly J. Mueller
Referred to: Magistrate Judge Edmund F. Brennan
Case in other court: USCA, 16-15883
USCA, 17-17153
Cause: 28:1331 Federal Question: Other Civil Rights

Date Filed: 04/28/2016
Date Terminated: 09/25/2017
Jury Demand: Plaintiff
Nature of Suit: 440 Civil Rights:
Other
Jurisdiction: Federal Question

Plaintiff**Jonee Fonseca**

represented by **Kevin Trent Snider**
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ATTORNEY TO BE NOTICED

V.

Defendant

**Kaiser Permanente Medical
Center Roseville**
Women and Children's Center
TERMINATED: 06/08/2016

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Defendant

Michael Myette
*Pediatric Intensivist, Kaiser
Permanente Medical Center
Roseville*
TERMINATED: 06/08/2016

represented by **Drexwell M. Jones**
(See above for address)

Jason John Curliano
(See above for address)

Defendant

Karen Smith
*M.D. in her official capacity as
Director of the California
Department of Public Health*

represented by **Ashante Latrice Norton**
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Date Filed	#	Docket Text
04/28/2016	1	COMPLAINT and MOTION FOR TEMPORARY RESTRAINING ORDER by Jonee Fonseca. Attorney Snider, Kevin Trent ADDED. (Filing fee \$400.00, receipt number 0972-6442400) (Snider, Kevin) (Entered: 04/28/2016)
04/28/2016	2	TRO CHECKLIST by Jonee Fonseca. (Snider, Kevin) (Entered: 04/28/2016)
04/28/2016	3	DECLARATION of Alexandra Snyder in support of 1 Motion for Temporary Restraining Order. (Attachments: # 1 Declaration of Paul A. Bryne, M.D., # 2 Declaration of Jonee Fonseca) (Snider, Kevin) (Entered: 04/28/2016)
04/28/2016	4	SUMMONS ISSUED as to *Kaiser Permanente Medical Center Roseville, Michael Myette* with answer to 1 Complaint and Motion for Temporary Restraining Order due within *21* days. Attorney *Kevin T. Snider* *PACIFIC JUSTICE INSTITUTE* *P.O. Box 276600* *Sacramento, CA 95827*. (Michel, G.) (Entered: 04/28/2016)
04/28/2016	5	CIVIL NEW CASE DOCUMENTS ISSUED: Initial Scheduling Conference SET for 9/1/2016 at 02:30 PM in Courtroom 3 (KJM) before District Judge Kimberly J. Mueller. (Attachments: # 1 Standing Order, # 2 Consent Form, # 3 VDRP) (Michel, G.) (Entered: 04/28/2016)
04/28/2016	6	MINUTE ORDER issued by Courtroom Deputy M. Krueger for District Judge Troy L. Nunley on 4/28/2016: Plaintiff is hereby ORDERED to immediately submit all Placer County Superior Court of California filings related to the temporary restraining order against Kaiser Permanente Medical Center Roseville. (TEXT ONLY ENTRY) (Krueger, M) (Entered: 04/28/2016)
04/28/2016	7	MEMORANDUM by Jonee Fonseca in SUPPORT of 1 Motion for Temporary Restraining Order. (Attachments: # 1 Superior Court Order 1, # 2 Superior Court Order 2, # 3 Superior Court Order 3, # 4 Superior

		Court Order 4, # 5 Stinson Complaint)(Snider, Kevin) (Entered: 04/28/2016)
04/28/2016	8	DECLARATION of Alexandra Snyder in SUPPORT OF 2 TRO Checklist. (Snider, Kevin) (Entered: 04/28/2016)
04/28/2016	9	ORDER signed by District Judge Troy L. Nunley on 4/28/16 ORDERING the parties to appear before this Court on MONDAY, MAY 2, 2016 AT 1:30 p.m. for a hearing on this matter. The Court hereby further ORDERS as follows: Defendants shall be restrained from removing ventilation from Plaintiff Israel Stinson; Defendant Kaiser Permanente Medical Center Roseville shall continue to be legally responsible for Plaintiff Israel Stinson's care and treatment; Defendant Kaiser Permanente Medical Center Roseville shall continue to provide cardio-pulmonary support as is currently being provided; Defendant Kaiser Permanente Medical Center Roseville shall provide medications currently administered to Plaintiff Israel Stinson; Defendant Kaiser Permanente Medical Center Roseville shall continue to provide nutrition to Israel in the manner currently provided to the extent possible to maintain Israels stability, given his present condition. These orders shall remain in effect until the conclusion of the hearing on this matter, scheduled for Monday, 5/2/16 at 1:30 p.m. before this Court. (Mena-Sanchez, L) (Entered: 04/28/2016)
04/29/2016	10	MINUTE ORDER issued by Courtroom Deputy C. Schultz for District Judge Kimberly J. Mueller: The hearing set for May 2, 2016 at 1:30 PM before District Judge Troy L. Nunley is RESET on the same date and time before the assigned District Judge Kimberly J. Mueller. (See LR 122) Plaintiff shall serve a copy of the 4/28/2016 Order, ECF No. 9 , and this Minute Order on opposing counsel. (Text Only Entry)(Schultz, C) (Docket Text Modified on 4/29/2016 by C. Schultz: Adding language re: service.) (Entered: 04/29/2016)
04/29/2016	11	NOTICE of Supplemental Evidence and Availability of Plaintiff to Testify by Jonee Fonseca re 7 Memorandum in Support of Motion, 9 Order. (Snider, Kevin) Modified on 5/2/2016 (Mena-Sanchez, L). (Entered: 04/29/2016)
04/29/2016	12	NOTICE of APPEARANCE by Jason John Curliano on behalf of Kaiser Permanente Medical Center Roseville. Attorney Curliano, Jason John added. (Curliano, Jason) (Entered: 04/29/2016)
04/29/2016	13	NOTICE of Errata by Jonee Fonseca re 3 Declaration. (Attachments: # 1 Declaration Angela Clemente)(Snider, Kevin) (Entered: 04/29/2016)
05/01/2016	14	OPPOSITION by Defendants Kaiser Permanente Medical Center Roseville, Michael Myette to 4 Summons, 3 Declaration. Attorney Curliano, Jason John added. (Attachments: # 1 Declaration of Jason J.

		Curliano, # 2 Exhibit A, # 3 Exhibit B, # 4 Exhibit C, # 5 Exhibit D, # 6 Exhibit E, # 7 Exhibit F, # 8 Exhibit G, # 9 Exhibit H, # 10 Exhibit I, # 11 Exhibit J, # 12 Exhibit K, # 13 Exhibit L, # 14 Exhibit M)(Curliano, Jason) (Docket Text Modified on 5/2/2016 by C. Schultz) (Entered: 05/01/2016)
05/01/2016	15	DECLARATION of Dr. Mathews in SUPPORT OF 2 TRO Checklist. (Snider, Kevin) (Entered: 05/01/2016)
05/01/2016	16	DECLARATION of Dr. Nash in SUPPORT OF 2 TRO Checklist. (Snider, Kevin) (Entered: 05/01/2016)
05/02/2016	17	MINUTE ORDER issued by Courtroom Deputy C. Schultz for District Judge Kimberly J. Mueller: Plaintiff shall file a notice before 12:00 p.m. noon today, Monday, May 2, 2016, describing any proceedings or orders in her case before the Placer County Superior Court that occurred after her complaint was filed in this court. The notice shall not exceed five pages. (Text Only Entry) (Schultz, C) (Entered: 05/02/2016)
05/02/2016	18	DECLARATION of Alexandra Snyder in SUPPORT OF 1 Motion for Temporary Restraining Order, 2 TRO Checklist. (Attachments: # 1 Exhibit 1)(Snider, Kevin) (Entered: 05/02/2016)
05/02/2016	19	NOTICE of proceedings and orders in Superior Court; Declaration of Alexander Snyder re 1 Motion for Temporary Restraining Order. (Attachments: # 1 Exhibit 1)(Snider, Kevin) Modified on 5/3/2016 (Mena-Sanchez, L). (Entered: 05/02/2016)
05/02/2016	20	REPLY by Jonee Fonseca to Defendants' OPPOSITION to Request for TRO 14 . (Snider, Kevin) Modified on 5/3/2016 (Mena-Sanchez, L). (Entered: 05/02/2016)
05/02/2016	21	DECLARATION of Alexandra Snyder in SUPPORT OF 1 Motion for Temporary Restraining Order, 2 TRO Checklist. (Attachments: # 1 Exhibit 1, # 2 Exhibit 2)(Snider, Kevin) (Entered: 05/02/2016)
05/02/2016	22	MINUTES for further proceedings as to Plaintiff's Motion for TRO held before District Judge Kimberly J. Mueller on May 2, 2016. Plaintiff's Counsel, Kevin Snider, present. Plaintiff, Jonee Fonseca, present at counsel table. Defendants' Counsel, Jason Curliano, present. Plaintiff was granted until close of business on May 3, 2016 to file an amended complaint. A settlement conference will be set for May 3, 2016 at a time to be determined. The court set a Preliminary Injunction briefing schedule and hearing as follows: Plaintiff's motion shall be filed by noon on May 6, 2016, Defendants' opposition shall be filed by noon on May 10, 2016, and a hearing is set for 5/11/2016 at 3:30 PM in Courtroom 3 before District Judge Kimberly J. Mueller. The briefing is limited to 20 pages each. If a party anticipates presenting evidence/calling witnesses, they should

		include that information in their briefing and provide estimates for the time needed. The April 28, 2016 Order (ECF No. 9) issued by District Judge Troy L. Nunley remains in effect. Court Reporter: Kimberly Bennett. (Text Only Entry) (Schultz, C) (Entered: 05/02/2016)
05/02/2016	23	MINUTE ORDER issued by Courtroom Deputy C. Schultz for District Judge Kimberly J. Mueller ORDERING a Settlement Conference SET for May 3, 2016 at 1:30 PM in Courtroom 24 before Magistrate Judge Carolyn K. Delaney. As soon as practical, the parties are directed to submit confidential statements, not to exceed five pages, to Magistrate Judge Delaney's chambers using the following email address: ckdorders@caed.uscourts.gov . Such statements are neither to be filed with the Clerk nor served on opposing counsel; however, each party shall e-file a one page document entitled Notice of Submission of Confidential Settlement Conference Statement. Each party is reminded of the requirement that it be represented in person at the settlement conference by a person able to dispose of the case or fully authorized to settle the matter at the conference on any terms. See Local Rule 270 (Text Only Entry) (Schultz, C) (Entered: 05/02/2016)
05/03/2016	24	NOTICE of APPEARANCE by Kevin Trent Snider on behalf of Jonee Fonseca. (Snider, Kevin) (Entered: 05/03/2016)
05/03/2016	25	NOTICE of Submission of Confidential Settlement Statement by Jonee Fonseca. (Snider, Kevin) (Entered: 05/03/2016)
05/03/2016	26	NOTICE of APPEARANCE by Drexwell M. Jones on behalf of Kaiser Permanente Medical Center Roseville, Michael Myette. Attorney Jones, Drexwell M. added. (Jones, Drexwell) (Entered: 05/03/2016)
05/03/2016	27	NOTICE of submission of Confidential Settlement Conference Statement by Kaiser Permanente Medical Center Roseville, Michael Myette. (Jones, Drexwell) Modified on 5/4/2016 (Mena-Sanchez, L). (Entered: 05/03/2016)
05/03/2016	28	MINUTES (Text Only) for proceedings before Magistrate Judge Carolyn K. Delaney: SETTLEMENT CONFERENCE held on 5/3/2016. After negotiations, CASE NOT SETTLED. The Court set a follow-up informal conference call for 5/9/2016 at 10:00 AM before Magistrate Judge Carolyn K. Delaney. Parties are instructed to use the following to access the conference call: 877-848-7030 (dial), 7431521 (access code). Plaintiffs Counsel Alexandra Snider, Seth Kraus present. Defendants Counsel Jason Curliano present. (Owen, K) (Entered: 05/03/2016)
05/03/2016	29	FIRST AMENDED COMPLAINT against Karen Smith by Jonee Fonseca.(Snider, Kevin) (Entered: 05/03/2016)

05/04/2016	30	SUMMONS ISSUED as to *Karen Smith* with answer to complaint due within *21* days. Attorney *Kevin Trent Snider* *Pacific Justice Institute* *P.O. Box 276600* *Sacramento, CA 95827*. (Mena-Sanchez, L) (Entered: 05/04/2016)
05/05/2016	31	PETITION for <i>Appointment of Guardian Ad Litem</i> by Jonee Fonseca. Attorney Snyder, Alexandra M. added. (Snyder, Alexandra) (Entered: 05/05/2016)
05/06/2016	32	DECLARATION of Jonee Fonseca re video recording. (Attachments: # 1 Exhibit 1)(Snyder, Alexandra) Modified on 5/9/2016 (Becknal, R). (Entered: 05/06/2016)
05/06/2016	33	PLAINTIFF'S MOTION for Preliminary Injunction; Memorandum in Support (Attachments: # 1 Proposed Order to supersede TRO with Preliminary Injunction)(Snider, Kevin) Modified on 5/9/2016 (Becknal, R). (Entered: 05/06/2016)
05/06/2016	34	DECLARATION of Alexandra Snyder. (Attachments: # 1 Exhibit Article, # 2 Exhibit Author CV)(Snyder, Alexandra) (Entered: 05/06/2016)
05/06/2016	35	DECLARATION of Jonee Fonseca. (Snyder, Alexandra) (Entered: 05/06/2016)
05/06/2016	36	DECLARATION of Dr. Paul Byrne. (Attachments: # 1 Exhibit Brain Death Guidelines for Children)(Snyder, Alexandra) (Entered: 05/06/2016)
05/06/2016	37	DECLARATION of Alan Shewmon, MD. (Snyder, Alexandra) (Entered: 05/06/2016)
05/08/2016	38	NOTICE of personal service by of Alexandra Snyder. (Snyder, Alexandra) Modified on 5/9/2016 (Becknal, R). (Entered: 05/08/2016)
05/09/2016	39	MINUTES (Text Only) for proceedings before Magistrate Judge Carolyn K. Delaney: INFORMAL CONFERENCE CALL held on 5/9/2016 re further settlement discussions. Court set a further informal conference call for 5/10/2016 at 10:00 AM before Magistrate Judge Carolyn K. Delaney. Parties are instructed to connect to the call using the same dial-in information previously provided. Plaintiffs Counsel Alexandra Snyder present. Defendants Counsel Jason Curliano present. (Owen, K) (Entered: 05/09/2016)
05/09/2016	40	NOTICE of APPEARANCE by Ashante Latrice Norton on behalf of Karen Smith. Attorney Norton, Ashante Latrice added. (Norton, Ashante) (Entered: 05/09/2016)
05/09/2016	41	APPLICATION for Pro Hac Vice of Walter Dellinger, Proposed Order by Kaiser Permanente Medical Center Roseville. (Curliano, Jason) Modified on 5/10/2016 (Becknal, R). (Entered: 05/09/2016)

05/10/2016	42	MINUTES (Text Only) for proceedings before Magistrate Judge Carolyn K. Delaney: CONTINUED INFORMAL CONFERENCE CALL re further settlement discussions held on 5/10/2016. No additional progress made. Plaintiffs Counsel Alexandra Snyder present. Defendants Counsel Jason Curliano present. (Owen, K) (Entered: 05/10/2016)
05/10/2016		PAYMENT for Pro Hac Vice Application in the amount of \$ 200, receipt number 0972-6461081. (Curliano, Jason) (Entered: 05/10/2016)
05/10/2016	43	OPPOSITION by Defendant Kaiser Permanente Medical Center Roseville to 33 Memorandum. (Attachments: # 1 Declaration of Dr. Michael S. Myette, # 2 Exhibit A, # 3 Exhibit B)(Curliano, Jason) (Docket Text Modified on 5/10/2016 by C. Schultz) (Entered: 05/10/2016)
05/10/2016	44	PRO HAC VICE ORDER signed by District Judge Kimberly J. Mueller on 5/10/16 ORDERING Attorney Walter E Dellinger ADDED for Kaiser Permanente Medical Center Roseville. (Jackson, T) (Entered: 05/10/2016)
05/11/2016	45	MINUTES for MOTION HEARING held before District Judge Kimberly J. Mueller on May 11, 2016. Attorney, Kevin Snider, Matthew McReynolds, and Alexandra Snyder, present for plaintiff. Plaintiff, Jonee Fonseca, present. Attorney, Jason Curliano, present for defendants Kaiser Permanente Medical Center Roseville and Michael Myette. Attorney, Ashante Norton and Ismael Castro, present for Karen Smith. After hearing oral argument as to plaintiff's Motion for Preliminary Injunction (ECF No. 33), the court took the matter under submission. A formal written order will issue. Court Reporter: Kathy Swinhart. (Text Only Entry) (Schultz, C) (Entered: 05/11/2016)
05/12/2016	46	TRANSCRIPT REQUEST by Kaiser Permanente Medical Center Roseville for proceedings held on May 11, 2016 before Judge Honorable Kimberly J. Mueller. Court Reporter Kathy Swinhart. (Curliano, Jason) (Entered: 05/12/2016)
05/13/2016	47	AMENDED TRANSCRIPT REQUEST re 46 by Kaiser Permanente Medical Center Roseville for proceedings held on May 11, 2016 before Judge Kimberly J. Mueller. Court Reporter Kathy Swinhart. (Curliano, Jason) (Entered: 05/13/2016)
05/13/2016	48	ORDER signed by District Judge Kimberly J. Mueller on 5/13/16 ORDERING the temporary restraining order currently in effect REMAINS IN PLACE until the close of business on Friday, May 20, 2016, at which point it will be dissolved. The motion for a preliminary injunction is DENIED. This order resolves ECF Nos. 31 & 33 . (Becknal, R) (Entered: 05/13/2016)

05/14/2016	49	NOTICE of INTERLOCUTORY APPEAL by Jonee Fonseca as to 48 Order,. (Filing fee \$ 505, receipt number 0972-6468966) (Attachments: # 1 Notice Statement of Issues)(Snider, Kevin) (Entered: 05/14/2016)
05/17/2016	50	APPEAL PROCESSED to Ninth Circuit re 49 Notice of Interlocutory Appeal filed by Jonee Fonseca. Notice of Appeal filed *5/14/2016*, Complaint filed *4/28/2016* and Appealed Order / Judgment filed *5/13/2016*. Court Reporter: *Kathy Swinhart*. *Fee Status: Paid on 5/14/2016 in the amount of \$505.00* (Attachments: # 1 Appeal Information) (Reader, L) (Entered: 05/17/2016)
05/17/2016	51	SUMMONS RETURNED EXECUTED: Jonee Fonseca served on 5/17/2016, answer due 6/7/2016. (Snider, Kevin) (Entered: 05/17/2016)
05/18/2016	52	STIPULATION and PROPOSED ORDER to Extend Time for Filing Responsive Pleading by Kaiser Permanente Medical Center Roseville, Michael Myette. (Attachments: # 1 Proposed Order)(Jones, Drexwell) (Entered: 05/18/2016)
05/19/2016	53	TRANSCRIPT of motion for preliminary injunction held on May 11, 2016, before District Judge Kimberly J. Mueller, filed by Court Reporter Kathy Swinhart, Phone number 916-446-1347 E-mail kswinhartcsr@gmail.com. Transcript may be viewed at the court public terminal or purchased through the Court Reporter/Transcriber before the deadline for Release of Transcript Restriction. After that date it may also be obtained through PACER. Any Notice of Intent to Request Redaction must be filed within 5 court days. Redaction Request due 6/9/2016. Redacted Transcript Deadline set for 6/20/2016. Release of Transcript Restriction set for 8/18/2016. (Swinhart, K) (Entered: 05/19/2016)
05/19/2016	54	STIPULATION and ORDER signed by District Judge Kimberly J. Mueller on 05/19/16 ORDERING that the time for defendants to respond to the Amended Complaint is EXTENDED to 06/02/16. (Benson, A) (Entered: 05/19/2016)
05/20/2016	55	ORDER of USCA as to 49 Notice of Interlocutory Appeal filed by Jonee Fonseca. The dissolution of the district courts temporary restraining order is stayed temporarily in order to provide this court sufficient time to review the motion papers and decide the emergency motion for an injunction pending appeal. (Washington, S) (Entered: 05/20/2016)
05/26/2016	59	ORDER of USCA as to 49 Notice of Interlocutory Appeal filed by Jonee Fonseca, ORDEIRNG that Appellant's motion for voluntary dismissal of this appeal is granted. This order shall act as and for the mandate of the Court. (Kastilahn, A) (Entered: 06/02/2016)

06/01/2016	56	STIPULATION to extend Time to Respond to The Amended Complaint for Declaratory Relief by Karen Smith. (Norton, Ashante) Modified on 6/2/2016 (Washington, S). (Entered: 06/01/2016)
06/01/2016	57	STIPULATION and PROPOSED ORDER to extend time for filing responsive pleading by Kaiser Permanente Medical Center Roseville, Michael Myette. (Attachments: # 1 Proposed Order)(Jones, Drexwell) Modified on 6/2/2016 (Washington, S). (Entered: 06/01/2016)
06/02/2016	58	ORDER signed by District Judge Kimberly J. Mueller on 6/2/2016 ORDERING that Defendants' last day to file their responses to the Amended complaint is EXTENDED to 6/12/2016. (Donati, J) (Entered: 06/02/2016)
06/08/2016	60	NOTICE of VOLUNTARY DISMISSAL by Jonee Fonseca. (Attachments: # 1 Proposed Order re Dismissal of Kaiser & Dr. Myette)(Snider, Kevin) (Entered: 06/08/2016)
06/08/2016	61	USCA CASE NUMBER 16-15883 for 49 Notice of Interlocutory Appeal filed by Jonee Fonseca. (Zignago, K.) (Entered: 06/08/2016)
06/20/2016	62	STIPULATION and [PROPOSED] ORDER Extending Time to Respond to The Amended Complaint 29 by Karen Smith. (Norton, Ashante) Modified on 6/21/2016 (Mena-Sanchez, L). (Entered: 06/20/2016)
06/23/2016	63	STIPULATION and ORDER signed by District Judge Kimberly J. Mueller on 06/22/16 ordering that defendant Smith's time to serve and file a response to plaintiff's amended complaint for declaratory relief in the above entitled action be extended from 6/21/16 to 7/05/16 pursuant to Local Rule 144(a). (Plummer, M) (Entered: 06/23/2016)
07/01/2016	64	SECOND AMENDED COMPLAINT against Karen Smith by Jonee Fonseca.(Snider, Kevin) (Entered: 07/01/2016)
07/14/2016	65	STIPULATION and PROPOSED ORDER for Extending Time to Respond to the 64 Second Amended Complaint by Karen Smith. (Norton, Ashante) (Entered: 07/14/2016)
07/20/2016	66	STIPULATION AND ORDER signed by District Judge Kimberly J. Mueller on 7/19/2016 ORDERING Defendant Karen Smith to respond to the 64 Second Amended Complaint by 8/31/2016. (Michel, G.) (Entered: 07/20/2016)
07/21/2016	67	MINUTE ORDER issued by Courtroom Deputy C. Schultz for District Judge Kimberly J. Mueller: In light of the Order at ECF No. 66 extending the time for defendant Karen Smith to respond to the Second Amended Complaint and on the court's own motion, the Status (Pretrial Scheduling) Conference set for 9/1/2016 is VACATED and RESET for 10/13/2016 at 2:30 PM in Courtroom 3 before District Judge Kimberly J. Mueller, with

		the filing of a joint status report due seven days prior. (Text Only Entry)(Schultz, C) (Entered: 07/21/2016)
08/31/2016	68	MOTION to DISMISS by Karen Smith. Motion Hearing set for 10/7/2016 at 10:00 AM in Courtroom 3 before District Judge Kimberly J. Mueller. (Attachments: # 1 Points and Authorities [Memorandum of], # 2 Notice [Request for Judicial], # 3 Exhibit A-E to Request for Judicial Notice)(Norton, Ashante) (Entered: 08/31/2016)
09/01/2016	69	MINUTE ORDER issued by Courtroom Deputy C. Schultz for District Judge Kimberly J. Mueller: On the court's own motion, the Status (Pretrial Scheduling) Conference set for 10/13/2016 is VACATED and ADVANCED to 10/7/2016 at 10:00 AM in Courtroom 3 before District Judge Kimberly J. Mueller, with the filing of a joint status report due seven days prior. (Text Only Entry)(Schultz, C) (Entered: 09/01/2016)
09/23/2016	70	OPPOSITION by Jonee Fonseca to 68 MOTION to DISMISS. (Snider, Kevin) (Entered: 09/23/2016)
09/23/2016	71	REQUEST for JUDICIAL NOTICE by Jonee Fonseca in re 70 Opposition to Motion. (Attachments: # 1 Exhibit 1)(Snider, Kevin) (Entered: 09/23/2016)
09/29/2016	72	JOINT STATUS REPORT by Jonee Fonseca. (Snider, Kevin) (Entered: 09/29/2016)
09/30/2016	73	REPLY by Karen Smith to RESPONSE to 68 MOTION to DISMISS. (Attachments: # 1 Proof of Service)(Norton, Ashante) (Entered: 09/30/2016)
09/30/2016	74	OBJECTIONS by Defendant Karen Smith to 71 Request for Judicial Notice. (Attachments: # 1 Proof of Service)(Norton, Ashante) (Entered: 09/30/2016)
10/04/2016	75	MINUTE ORDER issued by Courtroom Deputy C. Schultz for District Judge Kimberly J. Mueller: In light of the lengthy calendar on 10/7/2016 and to ensure sufficient time for all matters, the hearing on Defendant's Motion to Dismiss (ECF No. 68) and Status (Pretrial Scheduling) Conference set for 10/7/2016 at 10:00 AM is RESET on the same date for 2:30 PM in Courtroom 3 before District Judge Kimberly J. Mueller. (Text Only Entry)(Schultz, C) (Entered: 10/04/2016)
10/04/2016	76	OPPOSITION by Plaintiff Jonee Fonseca to 74 Objections to Plaintiff's Request for Judicial Notice. (Snider, Kevin) Modified on 10/4/2016 (Kastilahn, A). (Entered: 10/04/2016)
10/07/2016	77	MINUTES for MOTION HEARING held before District Judge Kimberly J. Mueller on 10/7/2016. Attorney, Kevin Snider, present for Plaintiffs. Attorney, Ashante Norton, present for Defendant Karen Smith. After

		hearing oral argument as to Defendant's Motion to Dismiss (ECF No. 68]), the court took the matter under submission. Although the matter was also on calendar for a scheduling conference, the court deferred scheduling. A formal written order will issue. Court Reporter: Jennifer Coulthard. (Text Only Entry) (Schultz, C) (Entered: 10/07/2016)
10/17/2016	78	STATUS (PRETRIAL SCHEDULING) ORDER signed by District Judge Kimberly J. Mueller on 10/14/2016 ORDERING that initial disclosures as required by F.R.Cv.P. Rule 26(a) be completed within fourteen (14) days of the Scheduling Conference; ORDERING that all discovery be completed by 10/31/2017; ORDERING all counsel to designate experts by 9/8/2017 and to submit a supplemental list of expert witnesses by 9/29/2017; ORDERING that all expert discovery be completed by 10/31/2017; ORDERING that all dispositive motions, except motions for continuances, temporary restraining orders or other emergency applications, be <u>heard</u> by 1/12/2018; SETTING the Final Pretrial Conference for 4/20/2018 at 10:00 AM in Courtroom 3 (KJM) before District Judge Kimberly J. Mueller; ORDERING the parties to confer and file a joint pretrial conference statement by 3/30/2018; SETTING Trial for 6/4/2018 at 09:00 AM in Courtroom 3 (KJM) before District Judge Kimberly J. Mueller; ORDERING that trial briefs be submitted by 5/21/2018; CAUTIONING all parties that this Status Order will become final without further order of the court unless objections are filed within fourteen (14) <i>calendar</i> days. (Michel, G.) (Entered: 10/17/2016)
03/28/2017	79	ORDER signed by District Judge Kimberly J. Mueller on 03/27/17 ORDERING that defendant's 68 Motion to Dismiss is GRANTED; plaintiff is GRANTED 21 days LEAVE TO AMEND. (Benson, A) (Entered: 03/28/2017)
04/14/2017	80	THIRD AMENDED COMPLAINT against Karen Smith by Jonee Fonseca.(Snider, Kevin) (Entered: 04/14/2017)
04/27/2017	81	STIPULATION and PROPOSED ORDER for Extending Time To Respond To 3AC re 80 Amended Complaint by Karen Smith. (Attachments: # 1 Proof of Service)(Norton, Ashante) (Entered: 04/27/2017)
05/01/2017	82	MINUTE ORDER issued by Courtroom Deputy C. Schultz for District Judge Kimberly J. Mueller: The court GRANTS the parties' stipulation (ECF 81) to extend defendant Smith's May 5, 2017 deadline to respond to the third amended complaint (ECF 80). Defendant's response shall be filed by May 19, 2017. (Text Only Entry) (Schultz, C) (Entered: 05/01/2017)
05/19/2017	83	MOTION to DISMISS by Karen Smith. Motion Hearing set for 8/11/2017 at 10:00 AM in Courtroom 3 (KJM) before District Judge

		Kimberly J. Mueller. (Attachments: # 1 Points and Authorities, # 2 Proof of Service)(Norton, Ashante) (Entered: 05/19/2017)
07/27/2017	84	OPPOSITION by Jonee Fonseca to 83 Motion to Dismiss. (Snider, Kevin) (Entered: 07/27/2017)
08/04/2017	85	REPLY by Karen Smith re 84 Opposition to Motion, 83 Motion to Dismiss. (Norton, Ashante) (Entered: 08/04/2017)
08/07/2017	86	MINUTE ORDER issued by Courtroom Deputy C. Schultz for District Judge Kimberly J. Mueller: On the court's own motion, the hearing on Defendant's Motion to Dismiss (ECF No. 83) set for 8/11/2017 is VACATED and RESET for 9/8/2017 at 10:00 AM in Courtroom 3 before District Judge Kimberly J. Mueller. (Text Only Entry) (Schultz, C) (Entered: 08/07/2017)
09/08/2017	87	MINUTES for MOTION HEARING held before District Judge Kimberly J. Mueller on 9/8/2017. Attorneys, Kevin Snider, Matthew McReynolds, and Alexandra Snyder, present for plaintiff. Attorney, Ashante Norton, present for defendant Karen Smith. After hearing oral argument, the court took Defendant's Motion to Dismiss (ECF No. 83) under submission; a formal written order to issue. Court Reporter: Cathie Bodene. (Text Only Entry) (Schultz, C) (Entered: 09/08/2017)
09/25/2017	88	ORDER signed by District Judge Kimberly J. Mueller on 09/22/17 GRANTING defendants' 83 Motion to Dismiss without leave to amend. CASE CLOSED (Benson, A.) (Entered: 09/25/2017)
09/25/2017	89	JUDGMENT dated *09/25/17* pursuant to order signed by District Judge Kimberly J. Mueller on 09/22/17. (Benson, A.) (Entered: 09/25/2017)
10/19/2017	90	NOTICE of APPEAL by Jonee Fonseca as to 89 Judgment, 88 Order. (Filing fee \$ 505, receipt number 0972-7320712) (Attachments: # 1 Notice)(Snider, Kevin) Modified on 10/20/2017 (Kaminski, H). (Entered: 10/19/2017)
10/20/2017	91	APPEAL PROCESSED to Ninth Circuit re 90 Notice of Appeal filed by Jonee Fonseca. Notice of Appeal filed *10/19/2017*, Complaint filed *4/28/2016* and Appealed Order / Judgment filed *9/25/2017*. Court Reporter: *Jennifer Coulthard*. *Fee Status: Paid on 10/19/2017 in the amount of \$505.00* (Attachments: # 1 Appeal Information) (Kaminski, H) (Entered: 10/20/2017)
11/01/2017	92	USCA CASE NUMBER 17-17153 for 90 Notice of Appeal filed by Jonee Fonseca. (Zignago, K.) (Entered: 11/01/2017)
11/16/2017	93	TRANSCRIPT REQUEST by Jonee Fonseca for proceedings held on 9/8/17 before Judge Kimberly J. Mueller. Court Reporter Cathie Bodene. (McReynolds, Matthew) (Entered: 11/16/2017)

12/04/2017	94	TRANSCRIPT of Proceedings held on September 8, 2017, Re: Deft's Motion to Dismiss, before District Judge Kimberly J. Mueller, filed by Court Reporter Cathie Bodene, Phone number 916-446-6360 E-mail cbodene@caed.uscourts.gov. Transcript may be viewed at the court public terminal or purchased through the Court Reporter/Transcriber before the deadline for Release of Transcript Restriction. After that date it may be obtained through Court Reporter Cathie Bodene or PACER. Any Notice of Intent to Request Redaction must be filed within 5 court days. Redaction Request due 12/26/2017. Redacted Transcript Deadline set for 1/5/2018. Release of Transcript Restriction set for 3/5/2018. (Bodene, C) (Entered: 12/04/2017)
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CERTIFICATE OF SERVICE

I hereby certify that on January 29, 2018, I electronically filed the foregoing with the Clerk of the Court for the United States Court of Appeals for the Ninth Circuit by using the appellate CM/ECF system.

I certify that all participants in the case are registered CM/ECF users and that service will be accomplished by the appellate CM/ECF system.

s/ Kirstin Largent